

THE WHITING-TURNER CONTRACTING COMPANY

(INCORPORATED)

ENGINEERS AND CONTRACTORS

CONSTRUCTION MANAGEMENT
GENERAL CONTRACTING
DESIGN-BUILD
SPECIALTY CONTRACTING
OFFICE/HEADQUARTERS
RETAIL/SHOPPING CENTERS
HEALTHCARE
BIO-TECH/PHARMACEUTICAL
HIGH-TECH/CLEANROOM

One Lakeside Commons
990 Hammond Drive, Suite 1100
Atlanta, Georgia 30328
770-955-9300
Fax: 770-955-8030
www.whiting-turner.com

INSTITUTIONAL
DATA CENTERS
SPORTS AND ENTERTAINMENT
INDUSTRIAL
WAREHOUSE/DISTRIBUTION
MULTI-FAMILY RESIDENTIAL
ENVIRONMENTAL
BRIDGES, CONCRETE

WRITER'S DIRECT NUMBER IS

4/14/06

To: Test
1480 Ford Street
Maumee, OH 43537

Attn: Wayne Lint

Re: Georgia Tech Nanotechnology Building
Demo/Abatement of the Neely Reactor,
ERB, & Site
Subcontract No.: 11000-01

Mr. Lint:

Please find enclosed one (1) fully executed original of the above referenced subcontract for your files. An insurance certificate must be submitted according to the requirements in Exhibit C to Whiting-Turner prior to proceeding with any work.

All correspondence, scheduling, and procurement issues regarding this subcontract should be directed to the attention of: Ryan Smith, Project Manager.

We look forward to working with you on this and future projects. As always, should you have any questions or comments, please do not hesitate to call.

Very truly yours,
THE WHITING-TURNER CONTRACTING COMPANY


Keith Douglas
Division Vice President

cc: File: Contract 11000-01, Master File, WT-Field

TRADE CONTRACT
THE WHITING-TURNER CONTRACTING COMPANY
CONSTRUCTION MANAGER

Demo/Abatement of: Neely Reactor, Electronics Research Building and Site

TRADE CONTRACT NO: 11000-01

CONSTRUCTION MANAGER: THE WHITING-TURNER CONTRACTING COMPANY
One Lake Side Commons
990 Hammond Drive
Atlanta, Georgia 30328

CONTRACTOR: TolTest
Address: 1480 Ford St.
Maumee, OH 43537

Remittance Address: 1480 Ford St.
Maumee, OH 43537

PROJECT: Georgia Tech Nanotechnology Research Center

OWNER: GSFIC
270 Washington St 2nd Floor
Atlanta, GA 30334

ARCHITECT: M+W Zander U.S. Operations, Inc.
549 W Randolph St
Chicago, IL 60661

DATE OF THIS AGREEMENT: February 16, 2006

THIS CONTRACT INCLUDES PAGES: T1 through T35, T35-1 through T35-5, T36 through T39, T39-1, T40, T40-1 through T40-4, T41 through T48 ⁶⁹ _{4/11/06}

ADDRESS REPLY TO: THE WHITING-TURNER CONTRACTING COMPANY

RECEIVED
One Lakeside Commons
990 Hammond Drive
Atlanta, Georgia 30328

1 17 06
Attn: Ryan Smith

C-015
12/05/2000

T 1

Initialed by: CS Construction Manager: CS Contractor: CS

CS 4-12-06

TT0000005227

TRADE CONTRACT
THE WHITING-TURNER CONTRACTING COMPANY
CONSTRUCTION MANAGER

This Agreement, made as of the date above written by and between the Contractor and The Whiting-Turner Contracting Company, of Baltimore, Maryland, a body corporate of the State of Maryland, hereinafter called the Construction Manager

The Contractor and the Construction Manager, for the consideration hereinafter set forth, agree as follows:

ARTICLE 1. DEFINITIONS

As used in this Agreement, unless a different meaning clearly appears from the context:

"Architect" or "Engineer" means the person or firm above named as Architect or any other person, firm, or corporation retained by the Owner to provide engineering and/or design services for the Project

"Construction Manager" means The Whiting-Turner Contracting Company, retained by agreement with Owner to provide construction management services.

"Owner" means the person or entity above named as Owner.

"Day" means calendar day unless otherwise specifically designated

"Project" means the Project identified above and is sometimes used interchangeably with the "Work"

"Work" means the total construction to be performed hereunder

Contract Documents: The contract documents (the "Contract Documents") consist of this Agreement, Conditions of the Contract (General, Special, Supplementary and other Conditions), drawings (the "Drawings"), general and special specifications (the "Specifications"), all Exhibits, Schedules, Bulletins, and Addenda relating to any of the foregoing issued prior to the execution of this Agreement and all Modifications issued subsequent thereto. All of the above shall form the Contract (the "Contract") between the parties hereto and all are as fully a part of this Agreement as if attached hereto or fully set forth herein. A schedule of all the Contract Documents is set forth in *Exhibit "A"*

Certain other words, terms and phrases used in this Agreement shall have the meanings given to them by the Contract Documents

ARTICLE 2. SCOPE OF WORK

The work is to be performed and materials to be furnished by the Contractor are set forth in *Exhibit B*

ARTICLE 3. PROVISION OF LABOR AND MATERIALS

(a) Contractor agrees to furnish and pay for all labor and supervision (said labor and supervision to be limited strictly to persons who will work in reasonable harmony with other persons on the Project and who are reasonably satisfactory to Owner and Construction Manager), tools, apparatus, supplies, equipment and services, and also to furnish, deliver, install and pay for all materials necessary for the performance and completion of the Work described in *Exhibit B*, "Scope of Work," free from all claims of laborers, material suppliers, subcontractors, and all others making claims through the Contractor. At all times that Contractor has personnel at the Project site, it shall also have present an authorized representative of Contractor who shall supervise and direct Contractor's personnel and be responsible for their actions. Such representative shall be authorized to act on behalf of the Contractor and communications to such representative shall be binding upon Contractor.

All services required hereunder shall be performed to the reasonable satisfaction of Owner, Architect and Construction Manager, in strict accordance with the Contract Documents. Contractor shall perform hereunder at the direction of Construction Manager. Contractor warrants and represents that it is expert and experienced in the kind of work to be performed under this Agreement.

(b) In the event that any deviations from the Contract Documents are incorporated in any shop drawings of or by Contractor, such deviations and the reasons therefor shall be fully explained in writing to Construction Manager and Architect at the time such shop drawings are submitted and failure to so specify and explain any such deviation shall automatically void any inadvertent approval of the same by Construction Manager or Architect.

(c) Contractor agrees to adhere strictly to the requirements of the Contract Documents unless, prior to the beginning of its work, Contractor formally objects in writing to certain specific items or apparent discrepancies as being inadequate or unsuitable to accomplish the desired results, and Construction Manager and Architect have specifically agreed to a remedial solution in writing.

Contractor agrees to cooperate in carrying out Construction Manager's quality assurance program including, but not limited to, furnishing necessary documentation and facilitating inspections and quality checks

ARTICLE 4. DILIGENT AND TIMELY PERFORMANCE

(a) Contractor agrees to commence, pursue and complete the Work diligently, in such sequence and according to such schedule as Construction Manager shall establish from time to time during the course of the Work, and to perform the Work so as not to delay any other trades or contractors, time being of the essence of this Contract. Any written dates furnished by Contractor and approved by Construction Manager for delivery of materials, samples, shop drawings, etc., shall become part of this Contract. Contractor shall immediately notify Construction Manager in writing of any interruption on the job or late delivery which causes or may cause a delay in Contractor's performance. No extension of the completion date shall be permitted unless approved in writing by the Construction Manager, and Contractor shall be responsible for any losses or penalties incurred as a result of delays in completing its work. Contractor shall work overtime or shift work if deemed necessary, in the judgment of the Construction Manager, to maintain the progress of the work. Any such overtime or shift work required to maintain progress or to complete the work on a timely basis shall be at Contractor's expense and shall not be charged to Construction Manager unless specifically authorized in writing by the Construction Manager prior to the commencement of such overtime or shift work.

(b) Construction Manager shall have the right at any time to delay or suspend the work or any part thereof without incurring liability therefor. An extension of time shall be the sole and exclusive remedy of Contractor for any such delays or suspensions, but only to the extent that a time extension is obtained from the Owner. In the event that Construction Manager obtains additional compensation from the Owner or others for delay or interference, Contractor shall be entitled to share pro rata in such additional compensation, as determined in the good faith judgment of the Construction Manager.

(c) Contractor shall cooperate fully with Construction Manager in providing any information requested by Construction Manager to prepare schedules for the Project, including, but not limited to, detailed information concerning the sequence and beginning and ending dates of activities, costs related to such activities, and any information requested for Critical Path Method scheduling if used for the Project. The costs of all such activities on the part of Contractor are included in the Contract Amount.

(d) In the event of any dispute under this Contract or as to the work to be performed, Contractor shall continue to diligently perform the work as directed by the Construction Manager without interruption, deficiency or delay.

ARTICLE 5. PAYMENT

(a) Payment of the Contract Amount shall be in monthly installments. Construction Manager shall pay to the Contractor an amount equal to ninety percent (90%) of the value of the work performed by Contractor during the month to which each application for progress payment relates. Construction Manager will request Owner and its lender to agree that no further retainage shall be deducted from applications for progress payment after fifty percent (50%) of the Contract Amount has been paid, but Contractor shall not be entitled to such lesser retainage in the absence of such agreement or in the event, in Construction Manager's judgement, Contractor's performance is in any manner unsatisfactory. Payment shall be made only for work performed by Contractor in accordance with the Contract Documents as determined by Architect and reviewed and recommended by Construction Manager and not later than fifteen (15) days after payment therefor has been received by Construction Manager from Owner, or within such shorter period specified by applicable law, statute, or regulation. Contractor shall not be entitled to payment in the event Owner withholds payment for work which is responsibility of Contractor. The dates for submission of monthly applications and dates of monthly payment shall be communicated to Contractor by Construction Manager promptly after such dates are established with Owner and its lender.

(b) Retainage and any other unpaid balance of the Contract Amount shall be payable within fifteen (15) days, (or within such shorter period specified by applicable law, statute, or regulation), after the work under this Agreement has been completed and accepted by Owner, Architect and Construction Manager and following approval by the Architect of the final application for payment, and settlement of all claims, if any, under this Agreement, provided that Contractor has fully performed all of its obligations hereunder.

(c) Contractor agrees to submit to Construction Manager its monthly application for payment promptly on the date established by Construction Manager, so as to enable Construction Manager to forward the application to Owner for payment. As a condition precedent to the payment of any application, Construction Manager may require the Contractor to (1) produce waivers of mechanics lien rights, in form and substance satisfactory to Construction Manager, executed by Contractor and all persons or entities supplying labor or materials to Contractor through the date of application, or (2) provide such other evidence as the Construction Manager may require that all charges for labor and material have been paid. Construction Manager reserves the right to inquire of Contractor's suppliers and subcontractors, directly or indirectly, to determine the current status of indebtedness and may, at Construction Manager's discretion, make checks payable either jointly to Contractor and the supplier or subcontractor, or directly to the supplier or subcontractor for the account of Contractor.

(d) Payment by Construction Manager to Contractor, for its account, shall not be deemed to be an admission or approval by Construction Manager that the work covered by such payment is in conformance with the requirements of this Agreement or the Contract Documents.

(e) Notwithstanding any other provisions of this Agreement, Construction Manager shall be under no obligation to make payment to the Contractor under any provision hereof except to the extent that Construction Manager has received funds from Owner, payment by Owner being a condition precedent to payment of the Contractor.

(f) Construction Manager may apply any payments otherwise due Contractor hereunder to any other indebtedness, liability or obligation of Contractor to Construction Manager whether under this Agreement or any other agreement or circumstance.

ARTICLE 6. CHANGES IN THE WORK

(a) A Change Order is a written direction to Contractor, signed by Construction Manager and any other persons required under the Contract Documents, issued after execution of this Agreement, directing or authorizing additional work or deletion of work and specifying, if applicable, any change in the Contract Amount or Schedule. Contractor agrees to perform such changed or additional work within its trade and related to its Scope of Work upon request of Construction Manager. Construction Manager may initiate Change Orders for itself, at the request of Owner or the Architect, or at the request of Contractor as hereinafter set forth. A Change Order or request by Contractor for a Change Order shall be in writing and in the form specified by Construction Manager.

(b) In the event that Construction Manager directs Contractor to perform extra work, additional work or changed work, Contractor agrees that it will promptly perform and diligently complete such work whether or not Construction Manager and Contractor have agreed on the cost of such work. Contractor shall submit to Construction Manager a lump sum or guaranteed maximum price proposal for such work, which proposal shall include a detailed cost breakdown for each component of the work, indicating both quantities and unit prices, and such proposal shall be submitted to Construction Manager not later than 10 days after such proposal is requested by Construction Manager. If a lump sum price, guaranteed maximum price, or unit price for the extra work cannot be agreed upon, Contractor agrees to do the work on the basis of its actual cost, plus percentage fees for overhead and profit as specified herein. Contractor shall not commence additional work unless such work is first expressly authorized by the Construction Manager in writing.

(c) In the event that Contractor performs any such authorized additional work on an actual cost plus basis, it shall furnish each day to Construction Manager, duplicate time sheets, material tickets, and a statement of all other charges, securing on each thereof the signature of Construction Manager. Copies of all such signed copies of time sheets, material tickets and statements shall accompany Contractor's application for payment.

(d) Should Construction Manager require the Contractor to omit any work required under this Agreement, Contractor agrees to omit such work, and Construction Manager will deduct from any monies due the Contractor the value of such omitted work, including overhead and profit attributable to such work.

(e) In the event of any dispute, controversy, or claim for additional compensation or time extensions, notice in writing shall be given to the Construction Manager no later than seven (7) days following the occurrence on which claim is based. Such notice shall describe the dispute, controversy or claim in detail so as to allow Construction Manager to review its merits. Any claim not presented within such time period shall be deemed waived by Contractor. Promptly thereafter, Contractor shall provide detailed information to substantiate such claim including supporting documentation and calculations, and including any information requested by Construction Manager.

(f) If the Contractor shall make any claim against the Construction Manager for extra work or additional compensation for which the Owner or its agents may be liable, the Construction Manager may present such claim or claims to the Architect and/or Owner for determination and decision provided (1) such claim is not, in the judgment of the Construction Manager, made in bad faith, (2) Contractor has given notice as set forth above and in the form required by the Owner-Construction Management Agreement, and has presented the claim to Construction Manager in sufficient time for Construction Manager to review the claim in advance and present it to the Owner within the time required by the Owner-Construction Management Agreement and, (3) Contractor has both requested in writing that Construction Manager present the claim and has agreed in writing, on terms satisfactory to Construction Manager, to pay all costs of Construction Manager in presenting and pursuing such claim. Presentation of the claim by Construction Manager shall not be construed as an acknowledgment of the validity thereof, or a waiver of any right of the Construction Manager, and such action shall be without prejudice to its rights. The decision of the Architect and/or Owner shall be final and binding upon the Contractor to the same extent and purpose that it is final and binding on the Construction Manager.

(g) Construction Manager assumes no responsibility for material received, unloaded or stored for or by the Contractor. Materials, tools, supplies, equipment, or other property belonging or leased to Contractor are its responsibility, and no claim for missing, stolen or damaged property shall be made against Construction Manager or Owner. No additional compensation will be allowed Contractor for difficulties or inconveniences arising from mud, dust, water, ice, snow, wind, heat, cold, or other weather, natural or physical conditions.

(h) Construction Manager shall not be required to provide hoisting facilities or temporary power, water or heat unless otherwise specifically provided in the Contract Documents.

(i) Contractor agrees that in the event it performs additional or changed work on a cost plus basis, the percentage fees for combined overhead and profit set forth in Article 10 hereof shall apply.

(j) In the event Construction Manager directs Contractor to work overtime or premium time for which Construction Manager is obligated hereunder to reimburse the Contractor, Contractor shall be reimbursed only for the difference between regular time and overtime for direct payroll cost and the related payroll taxes, insurance, and benefits, and shall not be entitled to any additional compensation for overhead or profit or for the inefficiencies or declines in productivity. Nothing herein shall be construed to obligate Construction Manager to pay for any overtime work it has not approved in writing or for any overtime work caused by failure of Contractor to provide sufficient manpower or otherwise maintain the progress of the work.

ARTICLE 7. DEFAULT

(a) In the event Contractor (1) becomes insolvent, or files or has filed against it any Petition in Bankruptcy, or makes an assignment for the benefit of creditors, or commences or has commenced against it or enters into any other proceeding or arrangement for relief of debtors, reorganization or deferral or discharge of debts, or (2) fails to pay, when due, wages or costs of labor, including benefits and taxes, or for materials, supplies, or other items purchased or used in connection with this Agreement, or (3) fails to pursue the Work in accordance with the requirements of the Contract Documents, the directions of Construction Manager or the schedules established by the Construction Manager, or (4) fails to supply a sufficient number of properly skilled supervisors, workers, materials, tools, equipment, or supplies of the proper quality, including failure occasioned by boycott, labor dispute or other cessation of work by Contractor's employees, or (5) interferes with or disrupts, or threatens to interfere or disrupt, the operation of Construction Manager, Owner or any other contractor, laborer, material supplier, subcontractor, or other person working on the Project, whether by reason of any boycott or labor dispute or any other reason, or (6) commits any other breach of this Agreement, Contractor shall be in default under this Agreement. In the event that such default continues for two (2) days after written notice thereof by Construction Manager to Contractor, or immediately in the event that such default, in the judgment of the Construction Manager, cannot be cured within a two (2) day period after notice of default, Construction Manager may without further notice terminate this Agreement, take possession of all of Contractor's materials, supplies, and equipment on the Project site, in storage or in transit, and may make arrangements for completion of the Work. The cost of completion, as well as any other costs, damages or expenses, including the Construction Manager's legal fees and expenses, incurred as a result of such default, shall be charged against any unpaid balance due to the Contractor; and if such total costs, damages and expenses exceed the balance due, Contractor agrees to pay the amount of said excess upon demand by Construction Manager. Contractor's materials and supplies may be incorporated and used in completing the Work. With respect to any items incorporated or consumed in the Work and for which Contractor has not previously been paid, the net reasonable value of the same, being the lower of Contractor's cost or fair market value as of the date Construction Manager took possession of such items, shall be credited against the aforesaid total completion costs, damages and expenses.

(b) In addition to, and not in substitution of the remedies hereinabove specified, Construction Manager may immediately, in the event of default or failure of Contractor to perform its obligations hereunder, provide or arrange for the provision of such workmen and materials necessary to continue and complete the work contracted for hereunder, for the account of the Contractor and at Contractor's expense and apply any and all funds which may be or become due Contractor to such expense, all without terminating, rescinding, or voiding this Agreement or releasing the Contractor from any obligation or liability hereunder, or from any damages caused by Contractor's failure to perform.

(c) Notwithstanding any other provisions of this Agreement, in the event of default by Contractor, Construction Manager shall have the right to pursue any and all remedies provided herein or provided by law, in equity or otherwise, including, specifically, the right to

apply monies otherwise due Contractor from Construction Manager, under this Agreement or any other agreement or circumstance, to the costs of curing such default or the damages therefrom.

(d) In the event the Construction Manager does not terminate this Contract, but assents to delayed completion of the work by the Contractor, such assent shall not be construed as a waiver of the Contractor's obligation to reimburse the Construction Manager for any costs, damages, or expenses incurred as a result of such delay; and all such costs, damages, and expenses shall be paid and reimbursed to Construction Manager upon demand.

(e) In the event that Construction Manager wrongfully exercises any of its rights under this Article 7, Contractor's sole and exclusive remedy shall be payment of the Contract Amount or the portion of the Contract preformed by the Contractor.

ARTICLE 8. WAIVER OF LIENS

Contractor agrees to execute such specific releases and/or waivers of liens as may be requested by Construction Manager. Contractor shall promptly apply all payments made hereunder to Contractor's cost for labor and material for the Project and shall further take any and all necessary actions to keep the Project free and clear of all claims for liens. In the event that any person furnishing labor or materials to the Contractor files a notice of intent to place a lien on the Project, Contractor shall promptly take all necessary steps to have such notice withdrawn, including, if requested by Construction Manager, the posting of a bond. In the event that Contractor does not fulfill its obligations under Article 8, Construction Manager may take all actions which it deems reasonable or necessary to protect the Project from liens and the costs of any such actions including attorney's fees, shall be deducted from amounts payable by Construction Manager to Contractor under this Agreement or any other agreement or circumstance. Contractor shall remain liable in the event that monies payable to it are insufficient to pay any damages or expenses arising from such liens.

ARTICLE 9. MISCELLANEOUS

(a) Contractor shall not assign this Agreement or any part hereof, or subcontract any work hereunder, without the prior written consent of Construction Manager. Construction Manager may assign this Agreement, and all of its rights hereunder, to Owner, to a lender in connection with Owner's financing, or to other persons or entities as deemed necessary by Construction Manager.

(b) Contractor's bid or proposal was accepted, and this Contract was awarded, on the condition that this form of Contract would be executed, without change or alteration, by Contractor and on the condition that Contractor would commence performance of the work on the date established by Construction Manager. Commencement of performance of the work described herein shall constitute Contractor's agreement to each and every term hereof irrespective of whether this Contract is executed by Contractor.

(c) Owner and Construction Manager have the right to enter into other contracts in connection with the Project, and the Contractor shall cooperate with any such other contractors. Contractor shall be liable for delay, or damage to the Project or property or any other contractor on the Project. Should such other contractor make claim against Owner, Architect or Construction Manager on account of such damage or delay, Contractor agrees that it will hold Owner, Architect and Construction Manager harmless against any damages, awards, settlements or expenses arising out of such claim, including attorney's fees. The Construction Manager shall be responsible to the Contractor for physical damage to Contractor's work only if such damage is directly and proximately caused by the negligence of the Construction Manager.

(d) Contractor agrees to clean up daily and to remove all dirt, trash and debris arising from its operations as directed by Construction Manager. In the event Contractor fails to clean up and remove such dirt, trash and debris, Construction Manager may, at its discretion, arrange for the same at Contractor's expense.

(e) Contractor agrees to indemnify and hold harmless Construction Manager, Architect and Owner, their officers, directors, agents and employees, from and against any and all claims, suits, liens, judgement, damages, losses, and expenses, including, but not limited to attorney's fees, arising in whole or in part and in any manner from the acts or omissions of the Contractor, its officers, directors, agents, employees or subcontractors, in connection with the performance of this Agreement. Contractor shall defend and bear all costs of defending any actions or proceedings brought against the Construction Manager, Architect, or Owner, their officers, directors, agents and employees, arising in whole or in part out of any such acts or omissions, provided, however, that Construction Manager shall have the right to approve selection of counsel to conduct such defense.

(f) Contractor shall have no greater or different rights or remedies against Construction Manager with respect to any matter, including, but not limited to additional compensation or time, than Construction Manager has against Owner pursuant to the Contract Documents. Within its scope of Work, Contractor "stands in the shoes" of Construction Manager and assumes all obligations, duties and responsibility by which Construction Manager is bound to Owner pursuant to the Contract Documents. Owner shall have all rights and remedies against Contractor which Owner has against Construction Manager pursuant to Contract Documents.

(g) Contractor acknowledges that, before executing this Agreement, it has carefully examined this Agreement, the Contract Documents and the Project site, has made such investigation of the Work required to be done and the material required to be furnished and, based upon such examination and investigation, Contractor represents that it fully understands and can perform all requirements of the Contract Documents.

(h) Construction Manager shall have the right to terminate this Agreement in the event that the Agreement between Owner and Construction Manager is terminated for any reason. In the event of such termination, Contractor's sole right and Construction Manager's sole obligation to Contractor shall be payment for the Work completed by Contractor to the extent that Construction Manager can recover such payment from Owner, less any amounts due to Construction Manager by Contractor. As a condition of such payment, Contractor shall furnish Construction Manager with a release, satisfactory in form and substance to Construction Manager, of all claims against the Construction Manager and Owner.

(i) Contractor agrees to clearly note on each payment check to and related invoice of its subcontractors and material suppliers which exceeds Five Hundred Dollars (\$500.00), as being for work or materials provided pursuant to this Agreement for this Project, by name, all to be subject to Construction Manager's inspection upon request. Contractor also agrees to submit promptly to Construction Manager, upon request, the name, address and telephone number of each subcontractor or supplier of any tier, to Contractor for labor, materials, or equipment used on this Project.

(j) Contractor shall promptly correct any Work done by it or by its subcontractors which is discovered during the course of the Work be not in conformance with the requirements of the Contract Documents, and shall promptly remedy any defects in the Work done by it or by its subcontractor due to faulty materials, equipment or workmanship which appear within a period of one (1) year from the date of substantial completion of this Agreement or within a longer period of time as prescribed by law or by the terms of any other applicable warranty or guarantee required by the Contract Documents. Such corrections and remedies of defects shall be without cost to Construction Manager and shall be corrected and remedied to the reasonable satisfaction of the Architect, Construction Manager and Owner.

(k) All Work performed under this Agreement shall be in strict conformity with all applicable laws, codes, ordinances, rules, regulations and requirements of Federal, State, City and Municipal authorities, of the National Board of Fire Underwriters, any local Fire Underwriters and any local fire insurance exchange requirements in effect at the date of this Agreement. Should Contractor incur additional costs because of any future change in such requirements, additional compensation therefore will be payable only upon the approval of the Architect, Owner, and Construction Manager. If Contractor performs any work contrary to such laws, codes, ordinances, rules, regulations or requirements, it shall bear all costs arising or resulting therefrom, including the costs incurred by Owner or Construction Manager.

(l) Contractor shall be represented on the Project site during the course of its Work by a sufficient number of qualified, full-time supervisors acceptable to Construction Manager. Contractor shall enforce discipline and good order among its employees, suppliers, and subcontractors. Construction Manager may require Contractor to remove from the Project any such employees, suppliers, or subcontractors or others that Construction Manager may reasonably deem incompetent, disruptive or a hindrance to progress of the Project, whereupon any such employee, supplier or subcontractor shall be so removed and shall not again be employed on any part of the Project without written consent of Construction Manager.

(m) Construction Manager shall have the right to require, at any or all progress meetings, whether called by Owner, Construction Manager or others, the presence of Contractor, or a representative of Contractor authorized to act on its behalf.

(n) The Contractor agrees that it will not engage in discriminatory employment practices in violation of any Federal, State, or local law including any order or regulation of any agency authorized to enforce any such law. To the extent applicable, Contractor agrees to comply with Title VII of the Civil Rights Act of 1964, Executive Order 11246, and all additional orders, regulations, amendments, etc., pertaining thereto, including certification of nonsegregated facilities. The Contractor agrees to furnish such additional information, certifications, and policies as may be required by the Contract Documents. The Contractor agrees to comply with all applicable rules, regulations and relevant orders of the Secretary of Labor issued pursuant to the Rehabilitation Act of 1973 as amended, the Vietnam Era Veterans Readjustment Assistance Act of 1974 as amended, and the Americans with Disabilities Act of 1990.

(o) Contractor shall comply with all applicable federal, state and local laws, regulations and orders relating to occupational safety and health, and related procedures established by Construction Manager and shall, to the extent permitted by law, indemnify and hold Construction Manager and Owner, their directors, officers, agents and employees, harmless from any and all liability, public or private, penalties, contractual or otherwise, losses, damages, costs, attorney's fees, expenses, causes of action, claims or judgments resulting from a claim filed by anyone in connection with the aforementioned acts, or any rule, regulation or order promulgated thereunder, arising out of this Agreement or any subcontract hereunder. Contractor further agrees in event of a claim of violation of any such laws, regulations, orders or procedures arising out of or in any way connected with the performance of this Agreement, Construction Manager may immediately take whatever action is deemed necessary by Construction Manager to remedy the claim of violation. Any and all costs or expenses paid or incurred by Construction Manager in taking such action shall be borne by Contractor, and may be deducted by Construction Manager from any payments due Contractor.

The Contractor agrees to (1) comply with all safety rules and regulations and work practices and procedures established by the Construction Manager and/or the Owner; (2) take all necessary steps to promote safety and health on the jobsite; (3) cooperate with Construction Manager and other Contractors in preventing and eliminating safety and health hazards; (4) train, instruct and provide adequate supervision to assure that its employees are aware of, and comply with, applicable Federal and State safety and health laws, standards, regulations and rules, safe healthful work practices and all applicable safety rules, regulations, and work practices and procedures of the Construction Manager; (5) not create any hazards or expose any of its employees, employees of the Construction Manager or employees of Contractors to any hazards; (6) immediately abate all hazards within its control regardless of whether it created such hazard; and (7) where the Contractor is aware of the existence of a hazard not within its control, notify the Construction Manager of the hazard as well as warn exposed persons to avoid the hazard.

Contractor shall notify Construction Manager of any personal injury requiring medical treatment of any of Contractor's employees or others at the Project site; or of significant damage to property arising in connection with Contractor's performance, as promptly as possible after the occurrence of such injury or damage. Within forty-eight (48) hours of such occurrence, Contractor shall furnish to Construction Manager a complete written report of such injury or damage.

(p) Contractor agrees to provide and furnish prior to commencing Work, certificates of insurance in duplicate for Workers' Compensation, Public Liability and Property Damage Insurance and all other insurance of the kinds and with the limits set forth in the Contract Documents and in *Exhibit C* to this Agreement. All policies of insurance shall be with companies and in amounts acceptable to Construction Manager, and shall not be subject to modification or cancellation during the term of the Work hereunder without at least sixty (60) days prior written consent of Construction Manager. The Contractor accepts exclusive liability for contribution tax or premiums for Unemployment Compensation, Social Security, Withholding Tax and Workmen's Compensation.

(q) Contractor, if required by Construction Manager, shall furnish Performance and Labor and Material Payment Bonds covering the faithful performance of all work under this Agreement and the payment of all obligations arising hereunder, including the continuing obligations under the warranties specified in the Contract Documents. If required, such bonds shall be of an amount equal to the entire Contract Amount specified in Article 10 of this Agreement. Construction Manager shall have the right to reject the form of or the surety under such bonds.

(r) Contractor understands and agrees that it shall not deal directly with representatives of Owner, but shall handle all matters connected with this Agreement, the Work, or the furnishing of labor or materials or payment therefor, exclusively through Construction Manager unless otherwise directed in writing by Construction Manager.

(s) The Contract Documents are complementary and should be read so as to avoid inconsistent interpretations. In the event of variations, conflicts, ambiguities or inconsistencies between or among the terms, provisions or conditions of this Contract and any other Contract Documents, the terms, provisions and conditions which grant greater rights or remedies to Construction Manager or impose higher standards with regard to the obligations, responsibilities and scope of work of the Contractor shall control. Notwithstanding any other provisions of this Contract or of the Contract Documents, disputes hereunder shall not be resolved by arbitration unless Construction Manager agrees in writing to arbitration of such specific dispute. In the event that arbitration is specified in the Owner-Construction Management Agreement for disputes between Owner and Construction Manager, Contractor agrees, upon request of Construction Manager, to submit any related disputes, as determined by Construction Manager in its sole discretion, to arbitration and consolidation of said disputes with any arbitration or administrative proceeding between Construction Manager and Owner or any other party.

(t) This Trade Contract shall be governed by the laws of the State of Maryland, without regard to principles of conflict of laws. Any action or suit arising hereunder shall be brought in the jurisdiction where Construction Manager's principal office is located without regard to principles of conflict of laws or forum non conveniens. In the event of litigation between them, Construction Manager and Contractor waive trial by jury. If requested by Construction Manager, Contractor agrees to submit any dispute under this Trade Contract to arbitration under the Construction Industry Rules of the American Arbitration Association.

ARTICLE 10. CONTRACT AMOUNT.

Construction Manager agrees to pay the Contractor for the performance of the Work under this Agreement, Two million one hundred twelve thousand four hundred thirty dollars (\$2,112,430), which amount shall, unless otherwise specified in the Contract Documents, include, without limitation, all taxes, insurance premiums, charges for permits, any labor increases or material escalation costs which might occur during the course of construction, all other fees and charges, and all obligations and responsibilities of Contractor under the Contract Documents. In the event that the Contractor performs any additional or changed work on a cost plus basis or is entitled to additional compensation under Article 6(e) hereof, it shall be entitled only to the following percentages on the cost of such work for combined overhead and profit: * _____% for work performed by Contractor's own forces, and * _____% for work performed by a subcontractor. Subcontractors shall likewise be entitled to * _____% for work performed by their own forces and * _____% for work performed by their subcontractors or suppliers. Such percentages include all office overheads and supervision above the level of foreman.

* See EXHIBIT "H"

ARTICLE 11. AMENDMENTS

There shall be no change to this Agreement by interlineation or notation to the text hereof. No change, modification, addition or deletion to the terms of this Agreement shall be binding on Construction Manager unless set forth on *Exhibit D* hereto and unless each page in *Exhibit D* is signed by a Vice President of Construction Manager, or, after execution of this Agreement, unless incorporated in a Change Order pursuant to Article 6 hereof.

IN WITNESS WHEREOF, the duly authorized representatives of the parties have executed this Agreement, the day and year first above written.

THE WHITING-TURNER CONTRACTING COMPANY
CONSTRUCTION MANAGER

To/For
CONTRACTOR

William E. Newman

William E. Newman, General Counsel
PRINTED NAME AND TITLE

Keith Douglas Division Vice President
PRINTED NAME AND TITLE

Date: 2/21/06

Date: 4/14/06

Witness: W. Newman

Witness: Keith Douglas

EXHIBIT A
CONTRACT DOCUMENTS

Nanotech Specifications: (Pages 1 - 8)

Nanotech Drawings: (Pages 1 - 29)

ERB Demo Drawings: (Pages: 1 - 1)

ERB Specifications: (Pages 1 - 2)

Neely Drawings: (Pages: 1 - 1)

Neely Specifications: (Pages: 1 - 2)

Existing Neely Reactor Building Disc Dated 2/10/06

SEE ATTACHED DRAWINGS AND SPECIFICATIONS LOG.

Initialed By:

Construction Manager KS

Contractor WT

C-015
12/05/2000

Georgia Tech Nanotechnology
Project # 11000 Electronics Research Building
Specification Log
Exhibit A

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DIVISION 1: GENERAL REQUIREMENTS ASBESTOS REMOVAL

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| 01013 | 7 | Summary of work | 12/15/05 | | | | | | |
| 01028 | 1 | Schedules and Payments | 12/15/05 | | | | | | |
| 01043 | 6 | Project Coordination | 12/15/05 | | | | | | |
| 01091 | 8 | Definitions and Standards | 12/15/05 | | | | | | |
| 01092 | 6 | Codes and Regulations | 12/15/05 | | | | | | |
| 01301 | 10 | Submittals | 12/15/05 | | | | | | |
| 01410 | 7 | Air Monitoring and work Area Clearance | 12/15/05 | | | | | | |
| 01503 | 7 | Temporary Facilities | 12/15/05 | | | | | | |
| 01513 | 8 | Temporary Pressure Differential System | 12/15/05 | | | | | | |
| 01526 | 8 | Temporary Enclosures | 12/15/05 | | | | | | |
| 01560 | 6 | Worker Protection | 12/15/05 | | | | | | |
| 01562 | 7 | Respiratory Protection | 12/15/05 | | | | | | |
| 01563 | 8 | Decontamination Units | 12/15/05 | | | | | | |
| 01601 | 3 | Materials and Equipment | 12/15/05 | | | | | | |
| 01632 | 3 | Product substitutions | 12/15/05 | | | | | | |
| 01701 | 4 | Project Closeout | 12/15/05 | | | | | | |
| 01711 | 4 | Project Documentation | 12/15/05 | | | | | | |

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| 02063 | 1 | Demolition of Asbestos Containing Materials | 12/15/05 | | | | | | |
| 02081 | 6 | Removal of Asbestos Containing Material | 12/15/05 | | | | | | |
| 02084 | 4 | Disposal of Asbestos Contained waste Materials | 12/15/05 | | | | | | |
| 02305 | 4 | Encapsulation of Asbestos Containing Materials | 12/15/05 | | | | | | |

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Initialed by: 
Contractor
Subcontractor

KS

Georgia Tech Nanotechnology
Project # 11000 Electronics Research Building
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16665 4 Temporary Service Grounding 12/15/05

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4 PCB Removal/Disposal 12/15/2005
23 Lead Paint Abatement 12/15/2005
Appendix A 5 Asbestos Abatement Drawings NA

Additional Documents

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Final Geotechnical Engineering Report 01/23/2003
Revised Supplemental Asbestos Inspection 04/01/2004
Limited Asbestos and Lead-Based Paint Survey Report 12/30/2002

Initiated by: 
Contractor: 
Subcontractor: _____

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DIVISION 1: GENERAL REQUIREMENTS ASBESTOS REMOVAL

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| 01028 | 1 | Schedules and Payments | 12/15/05 | | | | | | |
| 01043 | 6 | Project Coordination | 12/15/05 | | | | | | |
| 01091 | 8 | Definitions and Standards | 12/15/05 | | | | | | |
| 01092 | 6 | Codes and Regulations | 12/15/05 | | | | | | |
| 01301 | 10 | Submittals | 12/15/05 | | | | | | |
| 01410 | 7 | Air Monitoring and work Area Clearance | 12/15/05 | | | | | | |
| 01503 | 7 | Temporary Facilities | 12/15/05 | | | | | | |
| 01513 | 8 | Temporary Pressure Differential System | 12/15/05 | | | | | | |
| 01526 | 8 | Temporary Enclosures | 12/15/05 | | | | | | |
| 01560 | 6 | Worker Protection | 12/15/05 | | | | | | |
| 01562 | 7 | Respiratory Protection | 12/15/05 | | | | | | |
| 01563 | 8 | Decontamination Units | 12/15/05 | | | | | | |
| 01601 | 3 | Materials and Equipment | 12/15/05 | | | | | | |
| 01632 | 3 | Product substitutions | 12/15/05 | | | | | | |
| 01701 | 4 | Project Closeout | 12/15/05 | | | | | | |
| 01711 | 4 | Project Documentation | 12/15/05 | | | | | | |

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| 02063 | 1 | Demolition of Asbestos Containing Materials | 12/15/05 | | | | | | |
| 02081 | 6 | Removal of Asbestos Containing Materials | 12/15/05 | | | | | | |
| 02084 | 4 | Disposal of Asbestos Contained waste Materials | 12/15/05 | | | | | | |
| 02805 | 4 | Encapsulation of Asbestos Containing Materials | 12/15/05 | | | | | | |

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Drawn & by:

Contractor

Subcontractor

Georgia Tech Nanotechnology
Project # 11000 Electronics Research Building
Specification Log
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| 16665 | 4 | Temporary Service Grounding | 12/15/05 | | | | | | |

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| | 4 | PCB Removal/Disposal | 12/15/2005 | | | | | | |
| | 23 | Lead Paint Abatement | 12/15/2005 | | | | | | |
| Appendix A | 5 | Asbestos Abatement Drawings | NA | | | | | | |

Additional Documents

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| | | Final Geotechnical Engineering Report | 01/23/2003 | | | | | | |
| | | Revised Supplemental Asbestos Inspection | 04/01/2004 | | | | | | |
| | | Limited Asbestos and Lead-Based Paint Survey Report | 12/30/2002 | | | | | | |

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Georgia Tech Nanotechnology
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Neely Building
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DIVISION 1 : GENERAL REQUIREMENTS

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| 01055 | 3 | Full Containment Asbestos Abatement | 12/29/05 | | | | | | |
| 01141 | 10 | Summary of Work - Asbestos Abatement | 12/29/05 | | | | | | |
| 01142 | 3 | Reference Standards and Definitions | 12/29/05 | | | | | | |
| 01143 | 5 | Code Regulations and Standards | 12/29/05 | | | | | | |
| 01144 | 4 | Temp Pressure Diff and Circ System | 12/29/05 | | | | | | |
| 01145 | 3 | Temporary Enclosure | 12/29/05 | | | | | | |
| 01146 | 1 | Entry Into Controlled Spaces | 12/29/05 | | | | | | |
| 01148 | 2 | Respiratory Protection | 12/29/05 | | | | | | |
| 01149 | 6 | Decontamination Units | 12/29/05 | | | | | | |
| 01150 | 2 | Project Decontamination | 12/29/05 | | | | | | |
| 01151 | 4 | Proj. Decontamination Cleaning and Decont. Procedures | 12/29/05 | | | | | | |
| 01156 | 5 | Glovebags and Mini Enclosures | 12/29/05 | | | | | | |
| 01310 | 4 | Construction and Project Documentation | 12/29/05 | | | | | | |
| 01732 | 4 | Selective Demolition | 12/29/05 | | | | | | |
| 01731 | 5 | Cutting and Patching | 12/29/05 | | | | | | |
| 01770 | 5 | Closeout Procedures | 12/29/05 | | | | | | |

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| 02023 | 3 | Removal of Asbestos Containing Materials | 12/29/05 | | | | | | |
| 02024 | 2 | Removal of Lead Containing Materials | 12/29/05 | | | | | | |
| 02025 | 1 | Removal of PCB Containing Materials | 12/29/05 | | | | | | |
| 02026 | 1 | Removal of Mercury Containing Materials | 12/29/05 | | | | | | |
| 02027 | 1 | Disposal of Asbestos Containing Materials | 12/29/05 | | | | | | |
| 02028 | 1 | Disposal of Lead Containing Materials | 12/29/05 | | | | | | |
| 02029 | 1 | Disposal of PCB/Mercury Containing Materials | 12/29/05 | | | | | | |
| 20250 | 2 | Aerosol Sedimentation and Pollution Control | 12/29/05 | | | | | | |
| 02110 | 3 | Excavation Filling and Backfilling for Structures | 12/29/05 | | | | | | |

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| 03300 | 16 | Cast-In-Place Concrete | 12/29/05 | | | | | | |

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| 04800 | 16 | Unit Masonry Assemblies | 12/29/05 | | | | | | |

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| 05500 | 9 | Metal Fabrications | 12/29/05 | | | | | | |

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| 07920 | 8 | Joint Sealants | 12/29/05 | | | | | | |

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| 08800 | 9 | Glazing | 12/29/05 | | | | | | |

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Subcontractor

Georgia Tech Nanotechnology
Project # 11000
Neely Building
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DIVISION 9 : FINISHES

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| 12484 | 3 | Floor Mats and Frames | 12/16/05 | | | | | | |

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Additional Documents

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| | | Final Geotechnical Engineering Report | 01/23/2003 | | | | | | |
| | | Abatement Mock Up | 11/17/2005 | | | | | | |
| | | Project Update | 07/12/2005 | | | | | | |
| | | Combined Environmental Site Assessment and GA Environmental Policy Act | 02/10/2005 | | | | | | |

Initialed by:

Contractor

Subcontractor

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| | 44 | ATC Geotechnical Report - Advanced Clean Room Site | 1/23/03 | | | | | | |

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| 01110 | 6 | Cleanroom Protocol | 12/16/05 | | | | | | |
| 01111 | 5 | Cleanroom Special Instructions | 12/16/05 | | | | | | |
| 01112 | 8 | Cleanroom Certification and Acceptance | 12/16/05 | | | | | | |
| 01410 | 33 | Special Inspections | 12/16/05 | | | | | | |

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| 02060 | 3 | Site Demolition | 12/16/05 | | | | | | |
| 02100 | 3 | Site Clearing | 12/16/05 | | | | | | |
| 02140 | 3 | Dewatering | 12/16/05 | | | | | | |
| 02160 | 2 | Excavation Support Systems | 12/16/05 | | | | | | |
| 02200 | 5 | Earthwork | 12/16/05 | | | | | | |
| 02212 | 7 | Synthetic Membrane | 12/16/05 | | | | | | |
| 02220 | 7 | Building Demolition | 12/16/05 | | | | | | |
| 02221 | 6 | Trenching, Backfilling, and Compaction | 12/16/05 | | | | | | |
| 02230 | 3 | Pavement Subbase | 12/16/05 | | | | | | |
| 02231 | 5 | Tree Protection and Trimming | 12/16/05 | | | | | | |
| 02270 | 3 | Temporary Soil Erosion and Water Pollution Control | 12/16/05 | | | | | | |
| 02466 | 7 | Drilled Piers | 12/16/05 | | | | | | |
| 02511 | 3 | Hot Mix Asphalt Paving | 12/16/05 | | | | | | |
| 02512 | 6 | Concrete Sidewalks | 12/16/05 | | | | | | |
| 02514 | 3 | Portland Cement Concrete Pavement | 12/16/05 | | | | | | |
| 02525 | 6 | Cast-In-Place Curbing | 12/16/05 | | | | | | |
| 02580 | 2 | Pavement Removal | 12/16/05 | | | | | | |
| 02602 | 2 | Maintenance Of Wastewater Flows | 12/16/05 | | | | | | |
| 02605 | 4 | Manholes | 12/16/05 | | | | | | |
| 02610 | 10 | Buried Pipe Installation | 12/16/05 | | | | | | |
| 02611 | 2 | Reinforced Concrete Pipe | 12/16/05 | | | | | | |
| 02612 | 2 | Polyvinyl Chloride Pipe | 12/16/05 | | | | | | |
| 02613 | 3 | Ductile Iron Pipe | 12/16/05 | | | | | | |
| 02614 | 3 | High Density Polyethylene Natural Gas Pipe | 12/16/05 | | | | | | |
| 02619 | 3 | High Density Polyethylene Drainage Pipe | 12/16/05 | | | | | | |
| 02620 | 5 | Preinsulated Steel Pipe | 12/16/05 | | | | | | |
| 02641 | 3 | Gate Valves, Valve Boxes and Post Indicator Valves | 12/16/05 | | | | | | |
| 02646 | 3 | Hydrants | 12/16/05 | | | | | | |
| 02721 | 3 | Drainage Structures | 12/16/05 | | | | | | |
| 02722 | 3 | Precast Concrete Retention Structure | 12/16/05 | | | | | | |
| 02725 | 3 | Underdrains | 12/16/05 | | | | | | |
| 02780 | 8 | Unit Pavers | 12/16/05 | | | | | | |
| 02813 | 6 | Underground Irrigation System | 12/16/05 | | | | | | |
| 02814 | 7 | Pump Station | 12/16/05 | | | | | | |
| 02870 | 2 | Site Furnishings and Lighting | 12/16/05 | | | | | | |
| 02920 | 10 | Lawns and Grasses | 12/16/05 | | | | | | |
| 02930 | 11 | Exterior Plants | 12/16/05 | | | | | | |

DIVISION 3 : CONCRETE

| SECTION # | PAGES | DESCRIPTION | DATE | REVISIONS | | | | | |
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| | | | | 1 | 2 | 3 | 4 | 5 | 6 |
| 03300 | 21 | Cast-In-Place Concrete | 12/16/05 | | | | | | |
| 03450 | 13 | Architectural Precast Concrete | 12/16/05 | | | | | | |

DIVISION 4 : MASONRY

| SECTION # | PAGES | DESCRIPTION | DATE | REVISIONS | | | | | |
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| | | | | 1 | 2 | 3 | 4 | 5 | 6 |
| 004811 | 10 | Concrete Unit Masonry | 12/16/05 | | | | | | |
| 04860 | 6 | Stone Veneer Assemblies | 12/16/05 | | | | | | |

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DIVISION 5: METALS

| SECTION # | PAGES | DESCRIPTION | DATE | REVISIONS | | | | | |
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| | | | | 1 | 2 | 3 | 4 | 5 | 6 |
| 05120 | 11 | Structural Steel | 12/16/05 | | | | | | |
| 05121 | 6 | Architecturally Exposed Structural Steel | 12/16/05 | | | | | | |
| 05310 | 7 | Steel Deck | 12/16/05 | | | | | | |
| 05400 | 7 | Cold-Formed Metal Framing | 12/16/05 | | | | | | |
| 05500 | 9 | Metal Fabrications | 12/16/05 | | | | | | |
| 05511 | 6 | Metal Stairs | 12/16/05 | | | | | | |
| 05512 | 5 | Architectural Steel Stairs | 12/16/05 | | | | | | |
| 05516 | 3 | Wire Cable Guards | 12/16/05 | | | | | | |
| 05521 | 6 | Steel Tube Railings | 12/16/05 | | | | | | |
| 05530 | 8 | Metal Grating | 12/16/05 | | | | | | |
| 05700 | 4 | Ornamental Steel General Requirements | 12/16/05 | | | | | | |
| 05705 | 7 | Ornamental Metals | 12/16/05 | | | | | | |
| 05721 | 8 | Ornamental Steel Railings | 12/16/05 | | | | | | |
| 05722 | 7 | Ornamental Glass Railings | 12/16/05 | | | | | | |
| 05811 | 5 | Architectural Joint Systems | 12/16/05 | | | | | | |

DIVISION 6: WOOD AND PLASTICS

| SECTION # | PAGES | DESCRIPTION | DATE | REVISIONS | | | | | |
|-----------|-------|---------------------------------|----------|-----------|---|---|---|---|---|
| | | | | 1 | 2 | 3 | 4 | 5 | 6 |
| 06105 | 4 | Miscellaneous Carpentry | 12/16/05 | | | | | | |
| 06402 | 14 | Interior Architectural Woodwork | 12/16/05 | | | | | | |

DIVISION 7: THERMAL / MOISTURE PROTECTION

| SECTION # | PAGES | DESCRIPTION | DATE | REVISIONS | | | | | |
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| | | | | 1 | 2 | 3 | 4 | 5 | 6 |
| 07133 | 5 | Thermoplastic Sheet Waterproofing | 12/16/05 | | | | | | |
| 07141 | 5 | Cold Fluid-Applied Waterproofing | 12/16/05 | | | | | | |
| 07180 | 5 | Traffic Coatings | 12/16/05 | | | | | | |
| 07190 | 3 | Water Repellents | 12/16/05 | | | | | | |
| 07411 | 8 | Sheet Metal Roofin & Wall Panels | 12/16/05 | | | | | | |
| 07412 | 12 | Metal Composite Wall Panels | 12/16/05 | | | | | | |
| 07413 | 8 | Copper Screen Wall Panels | 12/16/05 | | | | | | |
| 07415 | 9 | Concealed Fastener Metal Wall Panels | 12/16/05 | | | | | | |
| 07540 | 7 | Thermoplastic Membrane Roofing | 12/16/05 | | | | | | |
| 07630 | 5 | Aluminum Trellis | 12/16/05 | | | | | | |
| 07710 | 4 | Roof Specialties | 12/16/05 | | | | | | |
| 07716 | 3 | Roof Expansion Assemblies | 12/16/05 | | | | | | |
| 07720 | 5 | Roof Accessories | 12/16/05 | | | | | | |
| 07760 | 2 | Precast Concrete Roof Pavers | 12/16/05 | | | | | | |
| 07841 | 7 | Through-Penetration Firestop Systems | 12/16/05 | | | | | | |
| 07842 | 5 | Fire-Resistive Joint Systems | 12/16/05 | | | | | | |
| 07843 | 3 | Perimeter Fire Safing | 12/16/05 | | | | | | |
| 07920 | 11 | Joint Sealants | 12/16/05 | | | | | | |

DIVISION 8: DOORS AND WINDOWS

| SECTION # | PAGES | DESCRIPTION | DATE | REVISIONS | | | | | |
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| | | | | 1 | 2 | 3 | 4 | 5 | 6 |
| 08111 | 9 | Standard Steel Doors and Frames | 12/16/05 | | | | | | |
| 08151 | 4 | Integrated Metal Door System | 12/16/05 | | | | | | |
| 08211 | 5 | Flush Wood Doors | 12/16/05 | | | | | | |
| 08301 | 5 | Manual Cleanroom Doors | 12/16/05 | | | | | | |
| 08311 | 5 | Access Doors and Frames | 12/16/05 | | | | | | |
| 08331 | 5 | Overhead Coiling Doors | 12/16/05 | | | | | | |
| 08411 | 8 | Aluminum-Framed Entrances and Storefronts | 12/16/05 | | | | | | |
| 08450 | 4 | All-Glass Entrances | 12/16/05 | | | | | | |
| 08460 | 9 | Automatic Entrance Doors | 12/16/05 | | | | | | |
| 08633 | 8 | Metal-Framed Skylights | 12/16/05 | | | | | | |
| 08711 | 13 | Door Hardware | 12/16/05 | | | | | | |
| 08800 | 11 | Glazing | 12/16/05 | | | | | | |
| 08810 | 4 | Fire Rated Glass and Framing System | 12/16/05 | | | | | | |
| 08830 | 4 | Mirrors | 12/16/05 | | | | | | |
| 08911 | 8 | Glazed Aluminum Curtain Walls | 12/16/05 | | | | | | |

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DIVISION 9: FINISHES

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| | | | | 1 | 2 | 3 | 4 | 5 | 6 |
| 09215 | 5 | Gypsum Veneer Plaster | 12/16/05 | | | | | | |
| 09220 | 7 | Portland Cement Plaster | 12/16/05 | | | | | | |
| 09260 | 11 | Gypsum Board Assemblies | 12/16/05 | | | | | | |
| 09265 | 4 | Gypsum Board Shaft-Wall Assemblies | 12/16/05 | | | | | | |
| 09310 | 8 | Ceramic Tile | 12/16/05 | | | | | | |
| 09385 | 6 | Dimension Stone Tile | 12/16/05 | | | | | | |
| 09511 | 5 | Acoustical Panel Ceilings | 12/16/05 | | | | | | |
| 09515 | 4 | Acoustical Wood Panel Ceilings | 12/16/05 | | | | | | |
| 09547 | 6 | Linear Metal Ceilings | 12/16/05 | | | | | | |
| 09638 | 10 | Stone Paving and Flooring | 12/16/05 | | | | | | |
| 09650 | 6 | Cleanroom Resilient Flooring | 12/16/05 | | | | | | |
| 09651 | 4 | Resilient Floor Tile | 12/16/05 | | | | | | |
| 09653 | 4 | Resilient Wall-Base and Accessories | 12/16/05 | | | | | | |
| 09671 | 4 | Resinous Flooring | 12/16/05 | | | | | | |
| 09673 | 4 | Deck Traffic Coating | 12/16/05 | | | | | | |
| 09680 | 4 | Carpet | 12/16/05 | | | | | | |
| 09771 | 4 | Fabric-Wrapped Panels | 12/16/05 | | | | | | |
| 09911 | 10 | Painting | 12/16/05 | | | | | | |
| 09960 | 5 | High Performance Coatings | 12/16/05 | | | | | | |

DIVISION 10: SPECIALTIES

| SECTION # | PAGES | DESCRIPTION | DATE | REVISIONS | | | | | |
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| | | | | 1 | 2 | 3 | 4 | 5 | 6 |
| 10101 | 4 | Visual Display Boards | 12/16/05 | | | | | | |
| 10155 | 3 | Toilet Compartments | 12/16/05 | | | | | | |
| 10200 | 5 | Louvers | 12/16/05 | | | | | | |
| 10240 | 3 | Architectural Screens | 12/16/05 | | | | | | |
| 10265 | 3 | Impact-Resistant Wall-Protection | 12/16/05 | | | | | | |
| 10431 | 4 | Signs | 12/16/05 | | | | | | |
| 10505 | 4 | Metal Lockers | 12/16/05 | | | | | | |
| 10520 | 4 | Fire-Protection Specialties | 12/16/05 | | | | | | |
| 10651 | 6 | Operable Panel Partitions | 12/16/05 | | | | | | |
| 10720 | 3 | Aluminum Louver Sunscreens | 12/16/05 | | | | | | |
| 10801 | 6 | Toilet and Bath Accessories | 12/16/05 | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

DIVISION 11: EQUIPMENT

| SECTION # | PAGES | DESCRIPTION | DATE | REVISIONS | | | | | |
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| | | | | 1 | 2 | 3 | 4 | 5 | 6 |
| 11132 | 3 | Projection Screens | 12/16/05 | | | | | | |
| 11160 | 6 | Loading Dock Equipment | 12/16/05 | | | | | | |
| 11200 | 34 | Ultrapure Water System | 12/16/05 | | | | | | |
| 11260 | 12 | Industrial Wastewater Treatment System | 12/16/05 | | | | | | |
| 11261 | 12 | Chemical Metering Pump System | 12/16/05 | | | | | | |
| 11265 | 13 | Solvent Waste System | 12/16/05 | | | | | | |
| 11300 | 10 | Process Cooling Water System | 12/16/05 | | | | | | |
| 11510 | 11 | Bulk Gas System | 12/16/05 | | | | | | |
| 11520 | 22 | Packed Scrubber System | 12/16/05 | | | | | | |
| 11550 | 11 | Clean Dry Air System | 12/16/05 | | | | | | |
| 11560 | 9 | Process Vacuum System | 12/16/05 | | | | | | |
| 11601 | 12 | Fume Hoods and Other Air Containment Units | 12/16/05 | | | | | | |
| 11602 | 41 | Laboratory Casework and Other Furnishings | 12/16/05 | | | | | | |
| 11604 | 10 | Laboratory Service Fittings and Fixtures | 12/16/05 | | | | | | |
| 11605 | 6 | Laboratory Equipment | 12/16/05 | | | | | | |

DIVISION 12: FURNISHINGS

| SECTION # | PAGES | DESCRIPTION | DATE | REVISIONS | | | | | |
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| | | | | 1 | 2 | 3 | 4 | 5 | 6 |
| 12484 | 3 | Floor Mats and Frames | 12/16/05 | | | | | | |

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DIVISION 13 : SPECIAL CONSTRUCTION

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| | | | | 1 | 2 | 3 | 4 | 5 | 6 |
| 13019 | 4 | Ceiling Grid Support System | 12/16/05 | | | | | | |
| 13020 | 6 | Gasketed Cleanroom Ceiling Grid System | 12/16/05 | | | | | | |
| 13036 | 7 | Cleanroom Wall Systems | 12/16/05 | | | | | | |
| 13059 | 12 | Cleanroom Access Flooring | 12/16/05 | | | | | | |
| 13070 | 4 | Cleanroom Pass-Through | 12/16/05 | | | | | | |
| 13100 | 3 | Lightning Protection | 12/16/05 | | | | | | |
| 13915 | 25 | Fire-Suppression Piping | 12/16/05 | | | | | | |
| 13921 | 11 | Electric-Drive, Centrifugal Fire Pumps | 12/16/05 | | | | | | |

DIVISION 14 : CONVEYING SYSTEMS

| SECTION # | PAGES | DESCRIPTION | DATE | REVISIONS | | | | | |
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| | | | | 1 | 2 | 3 | 4 | 5 | 6 |
| 14120 | 7 | Dumbwaiter | 12/16/05 | | | | | | |
| 14240 | 9 | Hydraulic Service Elevator | 12/16/05 | | | | | | |
| 14245 | 8 | Hydraulic Freight Elevator | 12/16/05 | | | | | | |

DIVISION 15 : MECHANICAL

| SECTION # | PAGES | DESCRIPTION | DATE | REVISIONS | | | | | |
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| | | | | 1 | 2 | 3 | 4 | 5 | 6 |
| 15010 | 12 | General Mechanical Provision | 12/16/05 | | | | | | |
| 15050 | 16 | Basic Mechanical Materials and Methods | 12/16/05 | | | | | | |
| 15055 | 6 | Motors | 12/16/05 | | | | | | |
| 15060 | 12 | Hangers and Supports | 12/16/05 | | | | | | |
| 15071 | 15 | Mechanical Vibration Controls | 12/16/05 | | | | | | |
| 15075 | 8 | Mechanical Identification | 12/16/05 | | | | | | |
| 15081 | 11 | Duct Insulation | 12/16/05 | | | | | | |
| 15082 | 9 | Equipment Insulation | 12/16/05 | | | | | | |
| 15083 | 15 | Pipe Insulation | 12/16/05 | | | | | | |
| 15110 | 10 | Valves | 12/16/05 | | | | | | |
| 15121 | 6 | Pipe Expansion Fittings and Loops | 12/16/05 | | | | | | |
| 15122 | 9 | Meter and Gages | 12/16/05 | | | | | | |
| 15143 | 7 | Process Vacuum Piping | 12/16/05 | | | | | | |
| 15181 | 28 | Hydronic Piping | 12/16/05 | | | | | | |
| 15182 | 24 | Steam and Condensate Piping | 12/16/05 | | | | | | |
| 15183 | 8 | Refrigerant Piping | 12/16/05 | | | | | | |
| 15185 | 8 | Hydronic Pumps | 12/16/05 | | | | | | |
| 15189 | 11 | HVAC Water Treatment | 12/16/05 | | | | | | |
| 15194 | 9 | Fuel Gas Piping | 12/16/05 | | | | | | |
| 15211 | 9 | Bulk Gas Piping | 12/16/05 | | | | | | |
| 15212 | 15 | Stainless Steel Piping (Cleaned for Oxygen Service) | 12/16/05 | | | | | | |
| 15213 | 19 | Process Gas Piping | 12/16/05 | | | | | | |
| 15214 | 10 | Stainless Steel Piping | 12/16/05 | | | | | | |
| 15219 | 6 | Liquid Nitrogen Piping | 12/16/05 | | | | | | |
| 15223 | 12 | Industrial Wastewater Piping | 12/16/05 | | | | | | |
| 15229 | 10 | Ultrapure Water Piping | 12/16/05 | | | | | | |
| 15230 | 10 | Deionized Water Piping | 12/16/05 | | | | | | |
| 15410 | 11 | Plumbing Piping | 12/16/05 | | | | | | |
| 15430 | 8 | Plumbing Specialties | 12/16/05 | | | | | | |
| 15440 | 6 | Plumbing Fixtures | 12/16/05 | | | | | | |
| 15450 | 4 | Plumbing Equipment | 12/16/05 | | | | | | |
| 15485 | 7 | Electric Water Heaters | 12/16/05 | | | | | | |
| 15625 | 10 | Centrifugal Water Chillers | 12/16/05 | | | | | | |
| 15635 | 5 | Refrigerant Monitoring and Safety Plan | 12/16/05 | | | | | | |
| 15641 | 7 | Open-Circuit, Mechanical-Draft Cooling Towers | 12/16/05 | | | | | | |
| 15711 | 4 | Shell and Tube Heat Exchangers | 12/16/05 | | | | | | |
| 15715 | 15 | Cleanroom Make-up Air Handling Units | 12/16/05 | | | | | | |
| 15716 | 13 | Cleanroom Recirculation Air Handling Units | 12/16/05 | | | | | | |
| 15717 | 8 | Filter Fan Units | 12/16/05 | | | | | | |
| 15718 | 6 | Ducted Terminal ULPA Filters | 12/16/05 | | | | | | |
| 15725 | 9 | Modular Indoor Air-Handling Units | 12/16/05 | | | | | | |
| 15738 | 6 | Split System Air Conditioning Units | 12/16/05 | | | | | | |
| 15761 | 4 | Air Coils | 12/16/05 | | | | | | |
| 15763 | 5 | Fan-Coil Units | 12/16/05 | | | | | | |
| 15766 | 6 | Unit Heaters | 12/16/05 | | | | | | |
| 15769 | 4 | Radiant Heating and Cooling Panels | 12/16/05 | | | | | | |
| 15815 | 13 | Metal Ducts | 12/16/05 | | | | | | |
| 15820 | 13 | Duct Accessories | 12/16/05 | | | | | | |
| 15832 | 8 | Corrosive Exhaust Fans | 12/16/05 | | | | | | |

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| 15836 | 6 | Axial Fans | 12/16/05 | | | | | | |
| 15838 | 10 | Power Ventilators | 12/16/05 | | | | | | |
| 15840 | 6 | Air Terminal Units | 12/16/05 | | | | | | |
| 15855 | 3 | Diffusers, Registers, and Grills | 12/16/05 | | | | | | |
| 15861 | 5 | Air Filters | 12/16/05 | | | | | | |
| 15884 | 9 | Exhaust Duct - Coated Stainless Steel | 12/16/05 | | | | | | |
| 15900 | 31 | HVAC Instrumentation and Controls | 12/16/05 | | | | | | |
| 15950 | 27 | Testing, Adjusting, and Balancing | 12/16/05 | | | | | | |
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DIVISION 16: ELECTRICAL

| SECTION # | PAGES | DESCRIPTION | DATE | REVISIONS | | | | | |
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| | | | | 1 | 2 | 3 | 4 | 5 | 6 |
| 16010 | 10 | Basic Electrical Requirements | 12/16/05 | | | | | | |
| 16016 | 7 | Power System Study | 12/16/05 | | | | | | |
| 16050 | 17 | Basic Electrical Materials and Methods | 12/16/05 | | | | | | |
| 16060 | 3 | Grounding System | 12/16/05 | | | | | | |
| 16124 | 4 | Medium Voltage Cables | 12/16/05 | | | | | | |
| 16139 | 6 | Cable Trays | 12/16/05 | | | | | | |
| 16141 | 3 | Floor Boxes and Poke Thru Devices | 12/16/05 | | | | | | |
| 16231 | 15 | Packed Engine Generator | 12/16/05 | | | | | | |
| 16269 | 9 | Variable Frequency Drives | 12/16/05 | | | | | | |
| 16272 | 6 | Pad Mounted Liquid-Filled Transformers | 12/16/05 | | | | | | |
| 16289 | 8 | Transient Voltage Suppression | 12/16/05 | | | | | | |
| 16341 | 7 | Medium Voltage Switchgear | 12/16/05 | | | | | | |
| 16410 | 3 | Safety & Disconnect Switches | 12/16/05 | | | | | | |
| 16420 | 6 | Motor Starters | 12/16/05 | | | | | | |
| 16422 | 11 | Spot Network Equipment | 12/16/05 | | | | | | |
| 16442 | 8 | Panelboards | 12/16/05 | | | | | | |
| 16461 | 4 | Dry Type Transformers | 12/16/05 | | | | | | |
| 16495 | 8 | Automatic Transfer and Bypass / Isolation Switches | 12/16/05 | | | | | | |
| 16500 | 11 | Lighting Fixtures | 12/16/05 | | | | | | |
| 16505 | 4 | Lighting Inverter System | 12/16/05 | | | | | | |
| 16510 | 18 | Architectural Lighting Fixtures | 12/16/05 | | | | | | |
| 16511 | 16 | Dimming Systems | 12/16/05 | | | | | | |
| 16700 | 4 | Telephone and Data Pathways | 12/16/05 | | | | | | |
| 16726 | 2 | Wiring Plant Labeling | 12/16/05 | | | | | | |
| 16727 | 2 | Interior Fiber Optic Cable Labeling | 12/16/05 | | | | | | |
| 16728 | 2 | Outside Plant Fiber Optic Cable Labeling | 12/16/05 | | | | | | |
| 16729 | 9 | Voice \ Data Wiring Systems | 12/16/05 | | | | | | |
| 16730 | 6 | Interior Fiber Optic Cable | 12/16/05 | | | | | | |
| 16731 | 6 | Outside Plant Fiber Optic Cable | 12/16/05 | | | | | | |
| 16735 | 6 | CATV Network Wiring System | 12/16/05 | | | | | | |
| 16740 | 4 | Electronic Door Control System | 12/16/05 | | | | | | |
| 16742 | 8 | Closed Circuit Television | 1/17/06 | | | | | | |
| 16751 | 13 | Smoke Detection and Fire Alarm System | 12/16/05 | | | | | | |
| 16752 | 8 | Hazardous Product Monitoring and Hazard Notification System | 12/16/05 | | | | | | |
| 16754 | 3 | Liquid Chemicals Leak Detection System | 12/16/05 | | | | | | |

DIVISION 17: LV

| SECTION # | PAGES | DESCRIPTION | DATE | REVISIONS | | | | | |
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| | | | | 1 | 2 | 3 | 4 | 5 | 6 |
| 17400 | 8 | FMCS System Integration | 12/16/2005 | | | | | | |
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GENERAL

| BLDG | DWG | DESCRIPTION | 95% DATE | 95% REV. | 100% DATE | 100% REV. | REVISIONS | | | | |
|------|-------|--|-------------|-------------|--------------|--------------|-----------|---|---|---|---|
| | | | | | | | 1 | 2 | 3 | 4 | 5 |
| | G 000 | Cover Sheet Volume I | 10/21/2005 | D | 12/16/2005 | 0 | | | | | |
| | G 002 | Drawing Index Volume I | 10/21/2005 | C | 12/16/2005 | 0 | | | | | |
| | G 003 | Drawing Index Volume II | 10/21/2005 | A | 12/16/2005 | 0 | | | | | |
| | G 100 | Occupancy Designations & Regulatory Requirements | 10/21/2005 | D | 12/16/2005 | 0 | | | | | |
| | G 200 | Life Safety Plan Level 0 | 10/21/2005 | D | 12/16/2005 | 0 | | | | | |
| | G 210 | Life Safety Plan Level 1 | 10/21/2005 | D | 12/16/2005 | 0 | | | | | |
| | G 220 | Life Safety Plan Level 2 | 10/21/2005 | D | 12/16/2005 | 0 | | | | | |
| | G 230 | Life Safety Plan Level 3 | 10/21/2005 | D | 12/16/2005 | 0 | | | | | |
| | G 240 | Life Safety Plan Level 4 | 10/21/2005 | D | 12/16/2005 | 0 | | | | | |
| | G 400 | Sensitive Environments Criteria | | | 12/16/2005 | 0 | | | | | |

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DEMOLITION

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SURVEY DRAWINGS

| BLDG | DWG | DESCRIPTION | 95% DATE | 100% DATE | REVISIONS | | | | |
|------|--------|---------------------|-------------|--------------|-----------|---|---|---|---|
| | | | | | 1 | 2 | 3 | 4 | 5 |
| | 1 of 2 | Boundary Survey | 03/02/2004 | | | | | | |
| | 2 of 2 | Boundary Survey | 03/02/2004 | | | | | | |
| | 1 of 2 | Existing Conditions | 03/02/2004 | | | | | | |
| | 2 of 2 | Existing Conditions | 03/02/2004 | | | | | | |

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Contractor

Subcontractor

CIVIL ENGINEERING

| BLDG | DWG | DESCRIPTION | 95% DATE | 95% REV. | 100% DATE | 100% REV. | REVISIONS | | | | |
|------|-------|---------------|-------------|-------------|--------------|--------------|-----------|---|---|---|---|
| | | | | | | | 1 | 2 | 3 | 4 | 5 |
| | C 010 | General Notes | 10/21/05 | C | 12/16/2005 | 0 | | | | | |
| | C 101 | Site Plan | 10/21/05 | C | 12/16/2005 | 0 | | | | | |
| | C 102 | Grading Plan | 10/21/05 | D | 12/16/2005 | 0 | | | | | |
| | C 103 | Utility Plan | 10/21/05 | D | 12/16/2005 | 0 | | | | | |
| | C 104 | Pipe Profiles | 10/21/05 | A | 12/16/2005 | 0 | | | | | |
| | C 300 | Details | 10/21/05 | B | 12/16/2005 | 0 | | | | | |
| | C 301 | Details | 10/21/05 | B | 12/16/2005 | 0 | | | | | |
| | C 302 | Details | 10/21/05 | B | 12/16/2005 | 0 | | | | | |

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KS

Project 1000
Drawing Log
Exhibit A

LANDSCAPE ARCHITECTURE

| BLDG | DWG | DESCRIPTION | 95% DATE | 95% REV. | 100% DATE | 100% REV. | REVISIONS | | | | |
|------|-------|--|-------------|-------------|--------------|--------------|-----------|---|---|---|---|
| | | | | | | | 1 | 2 | 3 | 4 | 5 |
| | L 100 | Site Plan | 10/21/2005 | D | 12/16/2005 | 0 | | | | | |
| | L 110 | Planting Plan | 10/21/2005 | C | 12/16/2005 | 0 | | | | | |
| | L 120 | Irrigation Plan | 10/21/2005 | C | 12/16/2005 | 0 | | | | | |
| | L 121 | Irrigation Sleeve Plan | 10/21/2005 | C | 12/16/2005 | 0 | | | | | |
| | L 200 | Site Plan Enlargement Northwest Quadrant | 10/21/2005 | C | 12/16/2005 | 0 | | | | | |
| | L 201 | Site Plan Enlargement Southwest Quadrant | 10/21/2005 | C | 12/16/2005 | 0 | | | | | |
| | L 202 | Site Plan Enlargement Northeast Quadrant | 10/21/2005 | C | 12/16/2005 | 0 | | | | | |
| | L 203 | Site Plan Enlargement Southeast Quadrant | 10/21/2005 | C | 12/16/2005 | 0 | | | | | |
| | L 211 | Planting Plan Enlargement Northwest Quadrant | 10/21/2005 | C | 12/16/2005 | 0 | | | | | |
| | L 212 | Planting Plan Enlargement Southwest Quadrant | 10/21/2005 | C | 12/16/2005 | 0 | | | | | |
| | L 213 | Planting Plan Enlargement Northwest Quadrant | 10/21/2005 | C | 12/16/2005 | 0 | | | | | |
| | L 300 | Planting Plan Enlargement Southeast Quadrant | 10/21/2005 | C | 12/16/2005 | 0 | | | | | |
| | L 301 | Sections and Elevations | 10/21/2005 | C | 12/16/2005 | 0 | | | | | |
| | L 500 | Sections and Elevations | 10/21/2005 | D | 12/16/2005 | 0 | | | | | |
| | L 501 | Hardscape Details | 10/21/2005 | C | 12/16/2005 | 0 | | | | | |
| | L 502 | Hardscape Details | 10/21/2005 | C | 12/16/2005 | 0 | | | | | |
| | L 503 | Hardscape Details | 10/21/2005 | C | 12/16/2005 | 0 | | | | | |
| | L 504 | Hardscape Details | 10/21/2005 | C | 12/16/2005 | 0 | | | | | |
| | L 505 | Hardscape Details | 10/21/2005 | C | 12/16/2005 | 0 | | | | | |
| | L 510 | Planting Details | 10/21/2005 | C | 12/16/2005 | 0 | | | | | |
| | L 520 | Irrigation Details | 10/21/2005 | C | 12/16/2005 | 0 | | | | | |
| | L 521 | Irrigation Pumping Details | 10/21/2005 | A | 12/16/2005 | 0 | | | | | |

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Subcontractor


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Project 1000
Drawing Log
Exhibit A

ARCHITECTURE

| BLDG | DWG | DESCRIPTION | 95% DATE | 95% REV. | 100% DATE | 100% REV. | REVISIONS | | | | |
|------|-------|---|-------------|-------------|--------------|--------------|-----------|---|---|---|---|
| | | | | | | | 1 | 2 | 3 | 4 | 5 |
| | A 001 | Architectural Notes, Symbols & Abbreviations | 10/21/05 | D | 12/16/2005 | 0 | | | | | |
| | A 100 | Overall Floor Plan Level 0 | 10/21/05 | D | 12/16/2005 | 0 | | | | | |
| | A 110 | Overall Floor Plan Level 1 | 10/21/05 | D | 12/16/2005 | 0 | | | | | |
| | A 120 | Overall Floor Plan Level 2 | 10/21/05 | D | 12/16/2005 | 0 | | | | | |
| | A 130 | Overall Floor Plan Level 3 | 10/21/05 | D | 12/16/2005 | 0 | | | | | |
| | A 140 | Overall Floor Plan Level 4 | 10/21/05 | D | 12/16/2005 | 0 | | | | | |
| | A 150 | Overall Roof Plan | 10/21/05 | D | 12/16/2005 | 0 | | | | | |
| | A 201 | Floor Plan Level 0, Sector 1 | 10/21/05 | C | 12/16/2005 | 0 | | | | | |
| | A 202 | Floor Plan Level 0, Sector 2 | 10/21/05 | C | 12/16/2005 | 0 | | | | | |
| | A 203 | Floor Plan Level 0, Sector 3 | 10/21/05 | C | 12/16/2005 | 0 | | | | | |
| | A 204 | Floor Plan Level 0, Sector 4 | 10/21/05 | C | 12/16/2005 | 0 | | | | | |
| | A 205 | Floor Plan Level 0, Sector 5 | 10/21/05 | C | 12/16/2005 | 0 | | | | | |
| | A 206 | Floor Plan Level 0, Sector 6 | 10/21/05 | B | 12/16/2005 | 0 | | | | | |
| | A 211 | Floor Plan Level 1, Sector 1 | 10/21/05 | C | 12/16/2005 | 0 | | | | | |
| | A 212 | Floor Plan Level 1, Sector 2 | 10/21/05 | C | 12/16/2005 | 0 | | | | | |
| | A 213 | Floor Plan Level 1, Sector 3 | 10/21/05 | C | 12/16/2005 | 0 | | | | | |
| | A 214 | Floor Plan Level 1, Sector 4 | 10/21/05 | C | 12/16/2005 | 0 | | | | | |
| | A 215 | Floor Plan Level 1, Sector 5 | 10/21/05 | C | 12/16/2005 | 0 | | | | | |
| | A 216 | Floor Plan Level 1, Sector 6 | 10/21/05 | C | 12/16/2005 | 0 | | | | | |
| | A 221 | Floor Plan Level 2, Sector 1 | 10/21/05 | C | 12/16/2005 | 0 | | | | | |
| | A 222 | Floor Plan Level 2, Sector 2 | 10/21/05 | C | 12/16/2005 | 0 | | | | | |
| | A 223 | Floor Plan Level 2, Sector 3 | 10/21/05 | C | 12/16/2005 | 0 | | | | | |
| | A 224 | Floor Plan Level 2, Sector 4 | 10/21/05 | C | 12/16/2005 | 0 | | | | | |
| | A 225 | Floor Plan Level 2, Sector 5 | 10/21/05 | C | 12/16/2005 | 0 | | | | | |
| | A 226 | Floor Plan Level 2, Sector 6 | 10/21/05 | B | 12/16/2005 | 0 | | | | | |
| | A 234 | Floor Plan Level 3, Sector 4 | 10/21/05 | C | 12/16/2005 | 0 | | | | | |
| | A 235 | Floor Plan Level 3, Sector 5 | 10/21/05 | C | 12/16/2005 | 0 | | | | | |
| | A 244 | Floor Plan Level 4, Sector 4 | 10/21/05 | C | 12/16/2005 | 0 | | | | | |
| | A 245 | Floor Plan Level 4, Sector 5 | 10/21/05 | B | 12/16/2005 | 0 | | | | | |
| | A 301 | Building Elevations South & East | 10/21/05 | D | 12/16/2005 | 0 | | | | | |
| | A 302 | Building Elevations North & West | 10/21/05 | D | 12/16/2005 | 0 | | | | | |
| | A 303 | Enlarged Elevations Cleanroom South | 10/21/05 | C | 12/16/2005 | 0 | | | | | |
| | A 304 | Enlarged Elevations Lab / Office South | 10/21/05 | C | 12/16/2005 | 0 | | | | | |
| | A 305 | Enlarged Elevations Lab / Office / Gallery East | 10/21/05 | B | 12/16/2005 | 0 | | | | | |

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Subcontractor



| | | | | | | | | | |
|---|-----|---|----------|---|------------|---|--|--|--|
| A | 306 | Enlarged Elevations Lab, Office, Gallery North | 10/21/05 | B | 12/16/2005 | 0 | | | |
| A | 307 | Enlarged Elevations Cleanroom North | 10/21/05 | B | 12/16/2005 | 0 | | | |
| A | 308 | Enlarged Elevations Cleanroom West | 10/21/05 | B | 12/16/2005 | 0 | | | |
| A | 309 | Enlarged Elevations Cleanroom West | 10/21/05 | B | 12/16/2005 | 0 | | | |
| A | 311 | Building Sections East-West | 10/21/05 | D | 12/16/2005 | 0 | | | |
| A | 312 | Interior Elevations / Sections Gallery | 10/21/05 | D | 12/16/2005 | 0 | | | |
| A | 313 | Interior Elevations / Sections Gallery | 10/21/05 | D | 12/16/2005 | 0 | | | |
| A | 314 | Building Sections Lab Office | 10/21/05 | D | 12/16/2005 | 0 | | | |
| A | 321 | Enlarged Building Sections North & South Screen Walls | 10/21/05 | D | 12/16/2005 | 0 | | | |
| A | 322 | Enlarged Building Sections West Screen Wall | 10/21/05 | D | 12/16/2005 | 0 | | | |
| A | 323 | Enlarged Building Sections Lab Office | 10/21/05 | D | 12/16/2005 | 0 | | | |
| A | 324 | Enlarged Building Sections Gallery | 10/21/05 | D | 12/16/2005 | 0 | | | |
| A | 325 | Enlarged Building Sections Gallery North | 10/21/05 | C | 12/16/2005 | 0 | | | |
| A | 326 | Enlarged Building Section Gallery South | 10/21/05 | C | 12/16/2005 | 0 | | | |
| A | 327 | Enlarged Building Sections Gallery South | | | 12/16/2005 | 0 | | | |
| A | 328 | Enlarged Building Sections Gallery South | | | 12/16/2005 | 0 | | | |
| A | 331 | Wall Sections Cleanroom Building | 10/21/05 | B | 12/16/2005 | 0 | | | |
| A | 332 | Wall Sections Cleanroom Building | 10/21/05 | B | 12/16/2005 | 0 | | | |
| A | 333 | Wall Sections Lab / Office | 10/21/05 | B | 12/16/2005 | 0 | | | |
| A | 334 | Enlarged Sections / Plans | 10/21/05 | B | 12/16/2005 | 0 | | | |
| A | 335 | Enlarged Building Section @ Lab Office | 10/21/05 | B | 12/16/2005 | 0 | | | |
| A | 336 | Wall Sections Stair E | 10/21/05 | B | 12/16/2005 | 0 | | | |
| A | 337 | Wall Sections Gallery | 10/21/05 | A | 12/16/2005 | 0 | | | |
| A | 341 | Detail Sections Gallery East | 10/21/05 | A | 12/16/2005 | 0 | | | |
| A | 342 | Enlarged Plans Gallery South | 10/21/05 | A | 12/16/2005 | 0 | | | |
| A | 343 | Detail Sections Gallery South | 10/21/05 | A | 12/16/2005 | 0 | | | |
| A | 344 | Detail Elevations Gallery West | 10/21/05 | A | 12/16/2005 | 0 | | | |
| A | 345 | Enlarged Plans Gallery North | 10/21/05 | A | 12/16/2005 | 0 | | | |
| A | 346 | Detail Sections Gallery North | 10/21/05 | A | 12/16/2005 | 0 | | | |
| A | 347 | Detail Sections Gallery North | | | 12/16/2005 | 0 | | | |
| A | 348 | Enlarged CLG / Roof Plans Gallery / East Entry | 10/21/05 | B | 12/16/2005 | 0 | | | |
| A | 351 | Typical Section Details Cleanroom Building | | | 12/16/2005 | 0 | | | |
| A | 352 | Plan and Section Details Cleanroom Building | 10/21/05 | B | 12/16/2005 | 0 | | | |
| A | 353 | Plan and Section Details Cleanroom Building | 10/21/05 | B | 12/16/2005 | 0 | | | |
| A | 354 | Plan Details Cleanroom Building | | | 12/16/2005 | 0 | | | |
| A | 355 | Plan Details Cleanroom Building | | | 12/16/2005 | 0 | | | |
| A | 361 | Typical Details @ Lab / Office | 10/21/05 | B | 12/16/2005 | 0 | | | |


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|---|-----|--|----------|---|------------|---|--|--|--|
| A | 362 | Typical Details @ Lab / Office | 10/21/05 | B | 12/16/2005 | 0 | | | |
| A | 363 | Exterior Details Lab / Office | 10/21/05 | B | 12/16/2005 | 0 | | | |
| A | 364 | Exterior Details Lab / Office | 10/21/05 | B | 12/16/2005 | 0 | | | |
| A | 366 | Exterior Details Lab / Office BLDG | | | 12/16/2005 | 0 | | | |
| A | 368 | Typical Details Curtainwall | 10/21/05 | B | 12/16/2005 | 0 | | | |
| A | 371 | Section Details Gallery East | | | 12/16/2005 | 0 | | | |
| A | 372 | Section Details Level 3 - Terrace | 10/21/05 | B | 12/16/2005 | 0 | | | |
| A | 373 | Section Details Gallery South | | | 12/16/2005 | 0 | | | |
| A | 374 | Plan Details Gallery South | | | 12/16/2005 | 0 | | | |
| A | 375 | Section Details Gallery - West | 10/21/05 | B | 12/16/2005 | 0 | | | |
| A | 376 | Section Details Gallery North | | | 12/16/2005 | 0 | | | |
| A | 377 | Section Details Gallery North | | | 12/16/2005 | 0 | | | |
| A | 378 | Section Details Gallery North / East | | | 12/16/2005 | 0 | | | |
| A | 379 | Section Details Movement Joint | | | 12/16/2005 | 0 | | | |
| A | 381 | Screen Wall Schedule - South | 10/21/05 | A | 12/16/2005 | 0 | | | |
| A | 382 | Screen Wall Schedule West | | | 12/16/2005 | 0 | | | |
| A | 383 | Screen Wall Schedule Angled | | | 12/16/2005 | 0 | | | |
| A | 384 | Screen Wall Schedule North | | | 12/16/2005 | 0 | | | |
| A | 385 | Miscellaneous Exterior Details | 10/21/05 | A | 12/16/2005 | 0 | | | |
| A | 388 | Roof Details | 10/21/05 | A | 12/16/2005 | 0 | | | |
| A | 389 | Roof Detail | 10/21/05 | A | 12/16/2005 | 0 | | | |
| A | 390 | Roof Details | | | 12/16/2005 | 0 | | | |
| A | 391 | Curtainwall Schedule Area A | 10/21/05 | B | 12/16/2005 | 0 | | | |
| A | 392 | Curtainwall Schedule Area B | | | 12/16/2005 | 0 | | | |
| A | 393 | Curtainwall Schedule Area C | | | 12/16/2005 | 0 | | | |
| A | 394 | Curtainwall Schedule Area D,E | | | 12/16/2005 | 0 | | | |
| A | 395 | Curtainwall Schedule F | | | 12/16/2005 | 0 | | | |
| A | 396 | Curtainwall Schedule Area G | | | 12/16/2005 | 0 | | | |
| A | 397 | Curtainwall Schedule Areas H,K,L,M,N,S,T,V,W | | | 12/16/2005 | 0 | | | |
| A | 398 | Curtainwall Schedule Areas I,J,P,Q,R,A,A,BE,GG | | | 12/16/2005 | 0 | | | |
| A | 399 | Curtainwall Schedule Areas HH,JJ | | | 12/16/2005 | 0 | | | |
| A | 510 | Freight Elevator Plans, Section & Details | 10/21/05 | C | 12/16/2005 | 0 | | | |
| A | 511 | Passenger Elevator Plans, Sections & Details | 10/21/05 | C | 12/16/2005 | 0 | | | |
| A | 512 | Elevator Cab Plans, Sections & Details | 10/21/05 | C | 12/16/2005 | 0 | | | |
| A | 520 | Toilet Plans, Elevations, Details & Schedules | 10/21/05 | C | 12/16/2005 | 0 | | | |
| A | 521 | Toilet Plans & Elevations | 10/21/05 | C | 12/16/2005 | 0 | | | |
| A | 522 | Toilet Finish Plans | | | 12/16/2005 | 0 | | | |

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|---|-----|---|----------|---|------------|---|--|--|--|
| A | 530 | Stair "A" Plans and Sections | 10/21/05 | C | 12/16/2005 | 0 | | | |
| A | 531 | Stair "B" Plans and Details | 10/21/05 | C | 12/16/2005 | 0 | | | |
| A | 532 | Stairs "B" - "C" Sections and Details | 10/21/05 | C | 12/16/2005 | 0 | | | |
| A | 533 | Stair "D" Plans, Section and Details | 10/21/05 | C | 12/16/2005 | 0 | | | |
| A | 534 | Stair "E" Plans, Section and Details | 10/21/05 | C | 12/16/2005 | 0 | | | |
| A | 537 | Stair Details, Stair "A" and Stair "B/C" | 10/21/05 | B | 12/16/2005 | 0 | | | |
| A | 538 | Stair Details Stair A | | | 12/16/2005 | 0 | | | |
| A | 541 | Interior Elevations, Sector 4 Level 1 | 10/21/05 | C | 12/16/2005 | 0 | | | |
| A | 542 | Interior Elevations, Sector 4 Level 1 | 10/21/05 | C | 12/16/2005 | 0 | | | |
| A | 543 | Interior Elevations, Sector 4 Level 2 | 10/21/05 | C | 12/16/2005 | 0 | | | |
| A | 544 | Ceiling Details | 10/21/05 | A | 12/16/2005 | 0 | | | |
| A | 545 | Interior Details | | | 12/16/2005 | 0 | | | |
| A | 561 | Room Finish Schedule Levels 0, 1 & 2 | 10/21/05 | C | 12/16/2005 | 0 | | | |
| A | 571 | Interior Partition Details | 10/21/05 | C | 12/16/2005 | 0 | | | |
| A | 581 | Door Schedule | 10/21/05 | A | 12/16/2005 | 0 | | | |
| A | 582 | Door Head and Jamb Details | 10/21/05 | C | 12/16/2005 | 0 | | | |
| A | 600 | Overall Reflected Ceiling Plan Level 0 | 10/21/05 | B | 12/16/2005 | 0 | | | |
| A | 604 | Reflected Ceiling Plan Sector 4, Level 0 | 10/21/05 | C | 12/16/2005 | 0 | | | |
| A | 605 | Reflected Ceiling Plan Sector 5, Level 0 | 10/21/05 | B | 12/16/2005 | 0 | | | |
| A | 610 | Overall Reflected Ceiling Plan Level 1 | 10/21/05 | B | 12/16/2005 | 0 | | | |
| A | 614 | Reflected Ceiling Plan Sector 4, Level 1 | 10/21/05 | C | 12/16/2005 | 0 | | | |
| A | 615 | Reflected Ceiling Plan Sector 5, Level 1 | 10/21/05 | B | 12/16/2005 | 0 | | | |
| A | 620 | Overall Reflected Ceiling Plan Level 2 | 10/21/05 | C | 12/16/2005 | 0 | | | |
| A | 624 | Reflected Ceiling Plan Sector 4, Level 2 | 10/21/05 | B | 12/16/2005 | 0 | | | |
| A | 625 | Reflected Ceiling Plan Sector 5, Level 2 | 10/21/05 | B | 12/16/2005 | 0 | | | |
| A | 810 | Overall Cleanroom Waffle Table Plan Level 1 | 10/21/05 | C | 12/16/2005 | 0 | | | |
| A | 811 | Cleanroom Waffle Table Plan Level 1, Sector 1 | 10/21/05 | C | 12/16/2005 | 0 | | | |
| A | 812 | Cleanroom Waffle Table Plan Level 1, Sector 2 | 10/21/05 | C | 12/16/2005 | 0 | | | |
| A | 813 | Cleanroom Waffle Table Plan Level 1, Sector 3 | 10/21/05 | C | 12/16/2005 | 0 | | | |
| A | 821 | Cleanroom Reflected Ceiling Plan Level 1, Sector 1 | 10/21/05 | C | 12/16/2005 | 0 | | | |
| A | 822 | Cleanroom Reflected Ceiling Plan Level 1, Sector 2 | 10/21/05 | C | 12/16/2005 | 0 | | | |
| A | 823 | Cleanroom Ceiling Plan Level 1, Sector 3 | 10/21/05 | C | 12/16/2005 | 0 | | | |
| A | 830 | Overall Cleanroom Ceiling Grid Support Plan Level 1 | 10/21/05 | B | 12/16/2005 | 0 | | | |
| A | 831 | Cleanroom Ceiling Grid Support Plan Level 1, Sector 1 | 10/21/05 | C | 12/16/2005 | 0 | | | |
| A | 832 | Cleanroom Ceiling Grid Support Plan Level 1, Sector 2 | 10/21/05 | C | 12/16/2005 | 0 | | | |
| A | 833 | Cleanroom Ceiling Grid Support Plan Level 1, Sector 3 | 10/21/05 | C | 12/16/2005 | 0 | | | |
| A | 870 | Cleanroom Sections / Elevations | 10/21/05 | C | 12/16/2005 | 0 | | | |

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Subcontractor

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|---|-----|--|----------|---|------------|---|--|--|--|--|
| A | 871 | Cleanroom Sections / Elevations | 10/21/05 | B | 12/16/2005 | 0 | | | | |
| A | 872 | Cleanroom Interior Elevations | 10/21/05 | B | 12/16/2005 | 0 | | | | |
| A | 890 | Cleanroom Details | 10/21/05 | C | 12/16/2005 | 0 | | | | |
| A | 891 | Cleanroom Details | 10/21/05 | A | 12/16/2005 | 0 | | | | |
| A | 892 | Cleanroom Details | | | 12/16/2005 | 0 | | | | |
| A | 893 | Cleanroom Details | | | 12/16/2005 | 0 | | | | |
| A | 894 | Cleanroom Details | | | 12/16/2005 | 0 | | | | |
| A | 901 | Laboratory Furnishings General Notes, Legends & Abb. | 10/21/05 | D | 12/16/2005 | 0 | | | | |
| A | 911 | Laboratory Furnishings Floor Plan, Sector 1 Level 1 | | | 12/16/2005 | 0 | | | | |
| A | 924 | Laboratory Furnishings Floor Plan, Sector 4 Level 2 | 10/21/05 | D | 12/16/2005 | 0 | | | | |
| A | 951 | Laboratory Furnishings Casework Elevations | 10/21/05 | C | 12/16/2005 | 0 | | | | |
| A | 952 | Laboratory Furnishings Elevations | 10/21/05 | C | 12/16/2005 | 0 | | | | |
| A | 961 | Laboratory Furnishings Details | 10/21/05 | B | 12/16/2005 | 0 | | | | |
| A | 962 | Laboratory Furnishings Details | 10/21/05 | B | 12/16/2005 | 0 | | | | |
| A | 963 | Laboratory Furnishings Details | 10/21/05 | B | 12/16/2005 | 0 | | | | |
| A | 964 | Laboratory Furnishings Details | 10/21/05 | B | 12/16/2005 | 0 | | | | |
| A | 965 | Laboratory Furnishings Details | 10/21/05 | B | 12/16/2005 | 0 | | | | |
| A | 971 | Laboratory Furnishings Schedules | 10/21/05 | B | 12/16/2005 | 0 | | | | |

Initiated by:

Contractor

Subcontractor

Exhibit A

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REVISÉ 2/16/06

TT0000005259

STRUCTURAL ENGINEERING

| BLDG | DWG | DESCRIPTION | 75% DATE | 75% REV. | 100% DATE | 100% REV. | REVISIONS | | | | |
|------|-------|--|-------------|-------------|--------------|--------------|-----------|---|---|---|---|
| | | | | | | | 1 | 2 | 3 | 4 | 5 |
| | S 001 | General Structural Notes and Legend | 07/29/2005 | B | 12/16/2005 | 0 | | | | | |
| | S 100 | Overall Foundation and Grilled Pier Plan Level 0 | 07/29/2005 | C | 12/16/2005 | 0 | | | | | |
| | S 110 | Framing Plan Level 1 | 07/29/2005 | C | 12/16/2005 | 0 | | | | | |
| | S 120 | Framing Plan Level 2 | 07/29/2005 | C | 12/16/2005 | 0 | | | | | |
| | S 130 | Framing Plan Level 3 | 07/29/2005 | C | 12/16/2005 | 0 | | | | | |
| | S 201 | Foundation Plan Level 0, Sector 1 | 07/29/2005 | B | 12/16/2005 | 0 | | | | | |
| | S 202 | Foundation Plan Level 0, Sector 2 | 07/29/2005 | B | 12/16/2005 | 0 | | | | | |
| | S 203 | Foundation Plan Level 0, Sector 3 | 07/29/2005 | B | 12/16/2005 | 0 | | | | | |
| | S 204 | Floor Plan Level 0, Sector 4 | 07/29/2005 | B | 12/16/2005 | 0 | | | | | |
| | S 205 | Floor Plan Level 0, Sector 5 | 07/29/2005 | A | 12/16/2005 | 0 | | | | | |
| | S 206 | Foundation Plan Level 0, Sector 6 | 07/29/2005 | B | 12/16/2005 | 0 | | | | | |
| | S 211 | Framing Plan Level 1, Sector 1 | 07/29/2005 | B | 12/16/2005 | 0 | | | | | |
| | S 212 | Framing Plan Level 1, Sector 2 | 07/29/2005 | B | 12/16/2005 | 0 | | | | | |
| | S 213 | Framing Plan Level 1, Sector 3 | 07/29/2005 | B | 12/16/2005 | 0 | | | | | |
| | S 214 | Floor Plan Level 1, Sector 4 | 07/29/2005 | B | 12/16/2005 | 0 | | | | | |
| | S 215 | Floor Plan Level 1, Sector 5 | 07/29/2005 | B | 12/16/2005 | 0 | | | | | |
| | S 216 | Framing Plan Level 1, Sector 6 | 07/29/2005 | B | 12/16/2005 | 0 | | | | | |
| | S 221 | Floor Plan Level 2, Sector 1 | 07/29/2005 | B | 12/16/2005 | 0 | | | | | |
| | S 222 | Floor Plan Level 2, Sector 2 | 07/29/2005 | B | 12/16/2005 | 0 | | | | | |
| | S 223 | Floor Plan Level 2, Sector 3 | 07/29/2005 | B | 12/16/2005 | 0 | | | | | |
| | S 224 | Floor Plan Level 2, Sector 4 | 07/29/2005 | B | 12/16/2005 | 0 | | | | | |
| | S 225 | Floor Plan Level 2, Sector 5 | 07/29/2005 | B | 12/16/2005 | 0 | | | | | |
| | S 226 | Framing Plan Level 2, Sector 6 | 07/29/2005 | B | 12/16/2005 | 0 | | | | | |
| | S 231 | Floor Plan Level 3, Sector 1 | 07/29/2005 | B | 12/16/2005 | 0 | | | | | |
| | S 232 | Floor Plan Level 3, Sector 2 | 07/29/2005 | B | 12/16/2005 | 0 | | | | | |
| | S 233 | Floor Plan Level 3, Sector 3 | 07/29/2005 | B | 12/16/2005 | 0 | | | | | |
| | S 234 | Floor Plan Level 3, Sector 4 | 07/29/2005 | B | 12/16/2005 | 0 | | | | | |
| | S 235 | Floor Plan Level 3, Sector 5 | 07/29/2005 | B | 12/16/2005 | 0 | | | | | |
| | S 236 | Floor Plan Level 3, Sector 6 | 07/29/2005 | B | 12/16/2005 | 0 | | | | | |
| | S 244 | Floor Plan Level 4, Sector 4 | 07/29/2005 | B | 12/16/2005 | 0 | | | | | |
| | S 245 | Floor Plan Level 4, Sector 5 | 07/29/2005 | B | 12/16/2005 | 0 | | | | | |
| | S 254 | Floor Plan Level 5, Sector 4 | 07/29/2005 | B | 12/16/2005 | 0 | | | | | |
| | S 255 | Floor Plan Level 5, Sector 5 | 07/29/2005 | B | 12/16/2005 | 0 | | | | | |
| | S 264 | Framing Plan Roof Top Equipment Screen, Sector 4 & 5 | 07/29/2005 | B | 12/16/2005 | 0 | | | | | |

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| | | | | | | | | | |
|---|-----|---|------------|---|------------|---|--|--|--|
| S | 300 | Cleanroom Ground Level Drilled Pier Details and Schedule | 07/29/2005 | B | 12/16/2005 | 0 | | | |
| S | 301 | Cleanroom Concrete Slab on Grade and Misc. Details | 07/29/2005 | A | 12/16/2005 | 0 | | | |
| S | 302 | Cleanroom Level 1 Concrete Slab and Beam Schedule and Details | 07/29/2005 | A | 12/16/2005 | 0 | | | |
| S | 303 | Cleanroom Concrete Column Schedule and Details | 07/29/2005 | B | 12/16/2005 | 0 | | | |
| S | 304 | Cleanroom Shear Wall Schedule and Details | 07/29/2005 | B | 12/16/2005 | 0 | | | |
| S | 305 | Cleanroom Sections & Details | 07/29/2005 | B | 12/16/2005 | 0 | | | |
| S | 306 | Cleanroom Sections & Details | 07/29/2005 | B | 12/16/2005 | 0 | | | |
| S | 307 | Cleanroom Sections and Details | 07/29/2005 | A | 12/16/2005 | 0 | | | |
| S | 308 | Miscellaneous Concrete Sections and Details | 07/29/2005 | A | 12/16/2005 | 0 | | | |
| S | 309 | Tank Farm Enclosure Walls & Details | 07/29/2005 | A | 12/16/2005 | 0 | | | |
| S | 310 | Overall Foundation Interference Plan Level 0 | 07/29/2005 | A | 12/16/2005 | 0 | | | |
| S | 400 | Lab Office / Gallery Pile & Grade Beam Schedule | 07/29/2005 | B | 12/16/2005 | 0 | | | |
| S | 402 | Lab Office Concrete Slab and Beam Schedules & Details | 07/29/2005 | B | 12/16/2005 | 0 | | | |
| S | 403 | Lab Office Concrete Column Schedule, Footing Schedule and Details | 07/29/2005 | B | 12/16/2005 | 0 | | | |
| S | 404 | Lab Office / Gallery Sections and Details | 07/29/2005 | B | 12/16/2005 | 0 | | | |
| S | 405 | Lab Office / Gallery Sections and Details | 07/29/2005 | B | 12/16/2005 | 0 | | | |
| S | 406 | Lab Office / Gallery Sections and Details | | | 12/16/2005 | 0 | | | |
| S | 407 | Lab Office / Gallery Sections and Details | | | 12/16/2005 | 0 | | | |
| S | 408 | Lab Office / Gallery Sections and Details | | | 12/16/2005 | 0 | | | |
| S | 421 | Lab Office Typical Concrete Details I | 07/29/2005 | B | 12/16/2005 | 0 | | | |
| S | 500 | Steel Column Schedule & Details | 07/29/2005 | B | 12/16/2005 | 0 | | | |
| S | 501 | Steel Sections & Details | 07/29/2005 | B | 12/16/2005 | 0 | | | |
| S | 502 | Steel Sections & Details | | | 12/16/2005 | 0 | | | |
| S | 503 | Steel Sections & Details | | | 12/16/2005 | 0 | | | |
| S | 504 | Steel Sections & Details | | | 12/16/2005 | 0 | | | |
| S | 505 | Steel Sections & Details | | | 12/16/2005 | 0 | | | |
| S | 506 | Steel Sections & Details | | | 12/16/2005 | 0 | | | |
| S | 507 | Steel Sections & Details | | | 12/16/2005 | 0 | | | |
| S | 508 | Steel Sections & Details | | | 12/16/2005 | 0 | | | |
| S | 509 | Steel Sections & Details | | | 12/16/2005 | 0 | | | |
| S | 510 | Steel Sections & Details | | | 12/16/2005 | 0 | | | |
| S | 511 | Equipment Screen Sections & Details | | | 12/16/2005 | 0 | | | |
| S | 518 | Steel Moment Connection Schedule & Details | 07/29/2005 | B | 12/16/2005 | 0 | | | |
| S | 520 | Steel Brace Frame Elevations | 07/29/2005 | B | 12/16/2005 | 0 | | | |
| S | 523 | Cleanroom / Gallery Typical Steel Details I | 07/29/2005 | B | 12/16/2005 | 0 | | | |
| S | 530 | Screen Wall Elevations, Sections & Details | 07/29/2005 | B | 12/16/2005 | 0 | | | |
| S | 531 | Screen Wall Sections & Details | | | 12/16/2005 | 0 | | | |

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Exhibit A

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FIRE PROTECTION ENGINEERING

| BLDG | DWG | DESCRIPTION | 95% DATE | 95% REV. | 100% DATE | 100% REV. | REVISIONS | | | | |
|------|-------|---|-------------|-------------|--------------|--------------|-----------|---|---|---|---|
| | | | | | | | 1 | 2 | 3 | 4 | 5 |
| | F 001 | Fire Protection Schedules, Symbols, Details & Abbreviations | 10/21/2005 | C | 12/16/2005 | 0 | | | | | |
| | F 200 | Fire Protection Plan Level 0, Overall | 10/21/2005 | D | 12/16/2005 | 0 | | | | | |
| | F 210 | Fire Protection Plan, Level 1 Overall | 10/21/2005 | D | 12/16/2005 | 0 | | | | | |
| | F 220 | Fire Protection Plan, Level 2 Overall | 10/21/2005 | D | 12/16/2005 | 0 | | | | | |
| | F 230 | Fire Protection Plan, Level 3 Overall | 10/21/2005 | D | 12/16/2005 | 0 | | | | | |
| | F 240 | Fire Protection Plan, Level 4 Overall | 10/21/2005 | D | 12/16/2005 | 0 | | | | | |
| | F 601 | Fire Protection Riser Diagrams | 10/21/2005 | D | 12/16/2005 | 0 | | | | | |
| | F 901 | Fire Protection Details | 10/21/2005 | A | 12/16/2005 | 0 | | | | | |
| | | | | | | | | | | | |
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PLUMBING ENGINEERING

| BLDG | DWG | DESCRIPTION | 95% DATE | 95% REV. | 100% DATE | 100% REV. | REVISIONS | | | | |
|------|-------|---------------------------------|-------------|-------------|--------------|--------------|-----------|---|---|---|---|
| | | | | | | | 1 | 2 | 3 | 4 | 5 |
| | P 001 | Symbols and Abbreviations | 10/21/2005 | D | 12/16/2005 | 0 | | | | | |
| | P 200 | Plumbing Plan Level 0, Overall | 10/21/2005 | D | 12/16/2005 | 0 | | | | | |
| | P 201 | Plumbing Plan Level 0, Sector 1 | 10/21/2005 | C | 12/16/2005 | 0 | | | | | |
| | P 202 | Plumbing Plan Level 0, Sector 2 | 10/21/2005 | C | 12/16/2005 | 0 | | | | | |
| | P 203 | Plumbing Plan Level 0, Sector 3 | 10/21/2005 | C | 12/16/2005 | 0 | | | | | |
| | P 204 | Plumbing Plan Level 0, Sector 4 | 10/21/2005 | C | 12/16/2005 | 0 | | | | | |
| | P 205 | Plumbing Plan Level 0, Sector 5 | 10/21/2005 | D | 12/16/2005 | 0 | | | | | |
| | P 206 | Plumbing Plan Level 0, Sector 6 | 10/21/2005 | C | 12/16/2005 | 0 | | | | | |
| | P 210 | Plumbing Plan Level 1, Overall | 10/21/2005 | B | 12/16/2005 | 0 | | | | | |
| | P 211 | Plumbing Plan Level 1, Sector 1 | 10/21/2005 | B | 12/16/2005 | 0 | | | | | |
| | P 212 | Plumbing Plan Level 1, Sector 2 | 10/21/2005 | C | 12/16/2005 | 0 | | | | | |
| | P 213 | Plumbing Plan Level 1, Sector 3 | 10/21/2005 | C | 12/16/2005 | 0 | | | | | |
| | P 214 | Plumbing Plan Level 1, Sector 4 | 10/21/2005 | D | 12/16/2005 | 0 | | | | | |
| | P 216 | Plumbing Plan Level 1, Sector 6 | 10/21/2005 | B | 12/16/2005 | 0 | | | | | |
| | P 220 | Plumbing Plan Level 2, Overall | 10/21/2005 | B | 12/16/2005 | 0 | | | | | |
| | P 221 | Plumbing Plan Level 2, Sector 1 | 10/21/2005 | C | 12/16/2005 | 0 | | | | | |
| | P 222 | Plumbing Plan Level 2, Sector 2 | 10/21/2005 | C | 12/16/2005 | 0 | | | | | |
| | P 223 | Plumbing Plan Level 2, Sector 3 | 10/21/2005 | C | 12/16/2005 | 0 | | | | | |
| | P 224 | Plumbing Plan Level 2, Sector 4 | 10/21/2005 | D | 12/16/2005 | 0 | | | | | |
| | P 225 | Plumbing Plan Level 2, Sector 5 | 10/21/2005 | B | 12/16/2005 | 0 | | | | | |
| | P 226 | Plumbing Plan Level 2, Sector 6 | 10/21/2005 | B | 12/16/2005 | 0 | | | | | |
| | P 230 | Plumbing Plan Level 3, Overall | 10/21/2005 | B | 12/16/2005 | 0 | | | | | |
| | P 231 | Plumbing Plan Level 3, Sector 1 | 10/21/2005 | C | 12/16/2005 | 0 | | | | | |
| | P 232 | Plumbing Plan Level 3, Sector 2 | 10/21/2005 | C | 12/16/2005 | 0 | | | | | |
| | P 233 | Plumbing Plan Level 3, Sector 3 | 10/21/2005 | C | 12/16/2005 | 0 | | | | | |
| | P 234 | Plumbing Plan Level 3, Sector 4 | 10/21/2005 | D | 12/16/2005 | 0 | | | | | |
| | P 235 | Plumbing Plan Level 3, Sector 5 | 10/21/2005 | B | 12/16/2005 | 0 | | | | | |
| | P 240 | Plumbing Plan Level 4 Overall | 10/21/2005 | | 12/16/2005 | 0 | | | | | |
| | P 244 | Plumbing Plan Level 4, Sector 4 | 10/21/2005 | D | 12/16/2005 | 0 | | | | | |
| | P 250 | Plumbing Plan Level 5, Overall | 10/21/2005 | D | 12/16/2005 | 0 | | | | | |
| | P 254 | Plumbing Plan Level 5, Sector 4 | 10/21/2005 | B | 12/16/2005 | 0 | | | | | |
| | P 601 | Plumbing Riser Diagram | 10/21/2005 | D | 12/16/2005 | 0 | | | | | |
| | P 602 | Plumbing Riser Diagram | 10/21/2005 | B | 12/16/2005 | 0 | | | | | |
| | P 603 | Plumbing Riser Diagram | 10/21/2005 | B | 12/16/2005 | 0 | | | | | |

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| | | | | | | | | | | |
|---|-----|------------------------------------|------------|---|------------|---|--|--|--|--|
| P | 604 | Plumbing Riser Diagram | 10/21/2005 | B | 12/16/2005 | 0 | | | | |
| P | 605 | Plumbing Riser Diagram | 10/21/2005 | B | 12/16/2005 | 0 | | | | |
| P | 606 | Plumbing Riser Diagram | 10/21/2005 | B | 12/16/2005 | 0 | | | | |
| P | 801 | Plumbing Schedule | 10/21/2005 | B | 12/16/2005 | 0 | | | | |
| P | 802 | Plumbing Schedule | 10/21/2005 | B | 12/16/2005 | 0 | | | | |
| P | 901 | Plumbing Details | 10/21/2005 | B | 12/16/2005 | 0 | | | | |
| P | 902 | Plumbing Details | 10/21/2005 | B | 12/16/2005 | 0 | | | | |
| P | 2B0 | Plumbing Plan Underground Overall | 10/21/2005 | B | 12/16/2005 | 0 | | | | |
| P | 2B1 | Plumbing Plan Underground Sector 1 | 10/21/2005 | B | 12/16/2005 | 0 | | | | |
| P | 2B2 | Plumbing Plan Underground Sector 2 | 10/21/2005 | B | 12/16/2005 | 0 | | | | |
| P | 2B4 | Plumbing Plan Underground Sector 4 | 10/21/2005 | B | 12/16/2005 | 0 | | | | |
| P | 2B5 | Plumbing Plan Underground Sector 5 | 10/21/2005 | B | 12/16/2005 | 0 | | | | |
| P | 2B6 | Plumbing Plan Underground Sector 6 | 10/21/2005 | B | 12/16/2005 | 0 | | | | |

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PROCESS ENGINEERING

| BLDG | DWG | DESCRIPTION | 95% DATE | 95% REV. | 100% DATE | 100% REV. | REVISIONS | | | | |
|------|-------|---|-------------|-------------|--------------|--------------|-----------|---|---|---|---|
| | | | | | | | 1 | 2 | 3 | 4 | 5 |
| | D 001 | Process-Symbols, Legends, & Abbreviations Sheet 1 of 2 | 10/21/2005 | D | 12/16/2005 | 0 | | | | | |
| | D 002 | Process-Symbols, Legends, & Abbreviations Sheet 2 of 2 | 10/21/2005 | C | 12/16/2005 | 0 | | | | | |
| | D 100 | Process-Overall Equipment Plan, Level 0 | 10/21/2005 | D | 12/16/2005 | 0 | | | | | |
| | D 101 | Process-Equipment Plan Level 0, Sector 1 | 10/21/2005 | C | 12/16/2005 | 0 | | | | | |
| | D 102 | Process-Equipment Plan Level 0, Sector 2 | 10/21/2005 | C | 12/16/2005 | 0 | | | | | |
| | D 106 | Process-Equipment Plan Level 0, Sector 6 | 10/21/2005 | C | 12/16/2005 | 0 | | | | | |
| | D 110 | Process-Overall Equipment Plan, Level 1 | 10/21/2005 | B | 12/16/2005 | 0 | | | | | |
| | D 111 | Process-Equipment Plan Level 1, Sector 1 | 10/21/2005 | B | 12/16/2005 | 0 | | | | | |
| | D 200 | Process-Overall Piping Plan, Level 0 | 10/21/2005 | D | 12/16/2005 | 0 | | | | | |
| | D 201 | Process-Piping Plan, Level 0, Sector 1 | 10/21/2005 | C | 12/16/2005 | 0 | | | | | |
| | D 202 | Process-Piping Plan, Level 0, Sector 2 | 10/21/2005 | C | 12/16/2005 | 0 | | | | | |
| | D 203 | Process-Piping Plan, Level 0, Sector 3 | 10/21/2005 | C | 12/16/2005 | 0 | | | | | |
| | D 204 | Process-Piping Plan, Level 0, Sector 4 | 10/21/2005 | C | 12/16/2005 | 0 | | | | | |
| | D 205 | Process-Piping Plan, Level 0, Sector 5 | 10/21/2005 | C | 12/16/2005 | 0 | | | | | |
| | D 206 | Process-Piping Plan, Level 0, Sector 6 | 10/21/2005 | C | 12/16/2005 | 0 | | | | | |
| | D 211 | Process-Piping Plan, Level 1, Sector 1 | 10/21/2005 | C | 12/16/2005 | 0 | | | | | |
| | D 213 | Process-Piping Plan, Level 1, Sector 3 | 10/21/2005 | C | 12/16/2005 | 0 | | | | | |
| | D 214 | Process-Piping Plan, Level 1, Sector 4 | 10/21/2005 | C | 12/16/2005 | 0 | | | | | |
| | D 220 | Process-Overall Piping Plan, Level 2 | 10/21/2005 | D | 12/16/2005 | 0 | | | | | |
| | D 223 | Process-Piping Plan, Level 2, Sector 3 | 10/21/2005 | C | 12/16/2005 | 0 | | | | | |
| | D 224 | Process-Piping Plan, Level 2, Sector 4 | 10/21/2005 | C | 12/16/2005 | 0 | | | | | |
| | D 334 | Process-Hook-up Piping Plan, Level 3, Sector 4 | 10/21/2005 | B | 12/16/2005 | 0 | | | | | |
| | D 401 | Process-Enlarged Piping Plan, Level 0 | 10/21/2005 | A | 12/16/2005 | 0 | | | | | |
| | D 405 | Process-Enlarged Piping Plan, Level 0 | 10/21/2005 | A | 12/16/2005 | 0 | | | | | |
| | D 410 | Process-Enlarged Piping Plan, Level 1 | 10/21/2005 | A | 12/16/2005 | 0 | | | | | |
| | D 411 | Process-Enlarged Piping Plan, Level 2 | 10/21/2005 | A | 12/16/2005 | 0 | | | | | |
| | D 601 | Process-Ultra Pure Water System Diagram | 10/21/2005 | D | 12/16/2005 | 0 | | | | | |
| | D 602 | Process-Ultra Pure Water Distribution Diagram | 10/21/2005 | D | 12/16/2005 | 0 | | | | | |
| | D 603 | Process-DI Water Distribution Diagram - Sub-Fab | 10/21/2005 | B | 12/16/2005 | 0 | | | | | |
| | D 604 | Process-DI Water Distribution Diagram - Lab Bldg | 10/21/2005 | B | 12/16/2005 | 0 | | | | | |
| | D 605 | Process-Process Cooling Water System Diagram | 10/21/2005 | D | 12/16/2005 | 0 | | | | | |
| | D 606 | Process-Process Cooling Water Distribution Diagram - Sub-Fab | 10/21/2005 | D | 12/16/2005 | 0 | | | | | |
| | D 607 | Process-Process Cooling Water Distribution Diagram - Fab Bldg | 10/21/2005 | B | 12/16/2005 | 0 | | | | | |
| | D 610 | Process-Clean Dry Air System Diagram - Sheet 1 | 10/21/2005 | D | 12/16/2005 | 0 | | | | | |

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| | | | | | | | | | | |
|---|-----|--|------------|---|------------|---|--|--|--|--|
| D | 611 | Process-Clean Dry Air System Diagram - Sheet 2 | 10/21/2005 | B | 12/16/2005 | 0 | | | | |
| D | 612 | Process-Clean Dry Air System Diagram - Sub-Fab | 10/21/2005 | D | 12/16/2005 | 0 | | | | |
| D | 613 | Process-Clean Dry Air System Diagram - Lab Bldg | 10/21/2005 | B | 12/16/2005 | 0 | | | | |
| D | 615 | Process-Process Vacuum System Diagram | 10/21/2005 | D | 12/16/2005 | 0 | | | | |
| D | 616 | Process-Process Vacuum Distribution Diagram - Sub-Fab | 10/21/2005 | D | 12/16/2005 | 0 | | | | |
| D | 617 | Process-Process Vacuum Distribution Diagram - Lab Bldg | 10/21/2005 | B | 12/16/2005 | 0 | | | | |
| D | 620 | Process- Nitrogen System Diagram | 10/21/2005 | D | 12/16/2005 | 0 | | | | |
| D | 621 | Process- Utility Nitrogen Distribution Diagram - Sub Fab | 10/21/2005 | D | 12/16/2005 | 0 | | | | |
| D | 622 | Process- Utility Nitrogen Distribution Diagram - Lab Bldg | 10/21/2005 | B | 12/16/2005 | 0 | | | | |
| D | 625 | Process-Liquid Nitrogen Distribution Diagram | 10/21/2005 | D | 12/16/2005 | 0 | | | | |
| D | 630 | Process- HP Nitrogen Distribution Diagram | 10/21/2005 | D | 12/16/2005 | 0 | | | | |
| D | 635 | Process- HP Nitrogen System Diagram | 10/21/2005 | D | 12/16/2005 | 0 | | | | |
| D | 636 | Process-HP Oxygen Distribution Diagram | 10/21/2005 | D | 12/16/2005 | 0 | | | | |
| D | 645 | Process-Hydrogen System Diagram | 10/21/2005 | D | 12/16/2005 | 0 | | | | |
| D | 650 | Process-Acid Waste System Diagram | 10/21/2005 | D | 12/16/2005 | 0 | | | | |
| D | 651 | Process-Acid Waste System Diagram | 10/21/2005 | D | 12/16/2005 | 0 | | | | |
| D | 652 | Process-Acid Waste Drains Collection Diagram - Sub-Fab | 10/21/2005 | D | 12/16/2005 | 0 | | | | |
| D | 653 | Process- Acid Waste Drains Collection Diagram - Lab Bldg | 10/21/2005 | D | 12/16/2005 | 0 | | | | |
| D | 654 | Process- Chemical VMB System Diagram | 10/21/2005 | D | 12/16/2005 | 0 | | | | |
| D | 660 | Process-Solvent Waste System Diagram | 10/21/2005 | D | 12/16/2005 | 0 | | | | |
| D | 661 | Process-Solvent Waste Non-Halogenated Collection Diagram - Sub-Fab | 10/21/2005 | D | 12/16/2005 | 0 | | | | |
| D | 665 | Process-Solvent Waste Halogenated Collection Diagram - Sub-Fab | 10/21/2005 | C | 12/16/2005 | 0 | | | | |
| D | 670 | Process-Acid Scrubber System Diagram | 10/21/2005 | B | 12/16/2005 | 0 | | | | |
| D | 801 | Process-Equipment Schedules Sheet 1 of 4 | 10/21/2005 | C | 12/16/2005 | 0 | | | | |
| D | 802 | Process-Equipment Schedules Sheet 2 of 4 | 10/21/2005 | C | 12/16/2005 | 0 | | | | |
| D | 803 | Process-Equipment Schedules Sheet 3 of 4 | 10/21/2005 | B | 12/16/2005 | 0 | | | | |
| D | 804 | Process-Equipment Schedules Sheet 4 of 4 | 10/21/2005 | A | 12/16/2005 | 0 | | | | |
| D | 901 | Process-Piping Details | 10/21/2005 | A | 12/16/2005 | 0 | | | | |

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
Subcontractor

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MECHANICAL

| BLDG | DWG | DESCRIPTION | 95% DATE | 95% REV. | 100% DATE | 100% REV. | REVISIONS | | | | |
|------|-------|-----------------------------------|-------------|-------------|--------------|--------------|-----------|---|---|---|---|
| | | | | | | | 1 | 2 | 3 | 4 | 5 |
| | M 001 | Symbols and Abbreviations | 10/21/2005 | D | 12/16/2005 | 0 | | | | | |
| | M 002 | Symbols and Abbreviations | 10/21/2005 | D | 12/16/2005 | 0 | | | | | |
| | M 201 | Mechanical Plan Level 0, Sector 1 | 10/21/2005 | C | 12/16/2005 | 0 | | | | | |
| | M 202 | Mechanical Plan Level 0, Sector 2 | 10/21/2005 | C | 12/16/2005 | 0 | | | | | |
| | M 203 | Mechanical Plan Level 0, Sector 3 | 10/21/2005 | C | 12/16/2005 | 0 | | | | | |
| | M 204 | Mechanical Plan Level 0, Sector 4 | 10/21/2005 | C | 12/16/2005 | 0 | | | | | |
| | M 205 | Mechanical Plan Level 0, Sector 5 | 10/21/2005 | C | 12/16/2005 | 0 | | | | | |
| | M 206 | Mechanical Plan Level 0, Sector 6 | 10/21/2005 | C | 12/16/2005 | 0 | | | | | |
| | M 211 | Mechanical Plan Level 1, Sector 1 | 10/21/2005 | C | 12/16/2005 | 0 | | | | | |
| | M 212 | Mechanical Plan Level 1, Sector 2 | 10/21/2005 | C | 12/16/2005 | 0 | | | | | |
| | M 213 | Mechanical Plan Level 1, Sector 3 | 10/21/2005 | C | 12/16/2005 | 0 | | | | | |
| | M 214 | Mechanical Plan Level 1, Sector 4 | 10/21/2005 | C | 12/16/2005 | 0 | | | | | |
| | M 215 | Mechanical Plan Level 1, Sector 5 | 10/21/2005 | C | 12/16/2005 | 0 | | | | | |
| | M 216 | Mechanical Plan Level 1, Sector 6 | 10/21/2005 | C | 12/16/2005 | 0 | | | | | |
| | M 221 | Mechanical Plan Level 2, Sector 1 | 10/21/2005 | A | 12/16/2005 | 0 | | | | | |
| | M 222 | Mechanical Plan Level 2, Sector 2 | 10/21/2005 | C | 12/16/2005 | 0 | | | | | |
| | M 223 | Mechanical Plan Level 2, Sector 3 | 10/21/2005 | C | 12/16/2005 | 0 | | | | | |
| | M 224 | Mechanical Plan Level 2, Sector 4 | 10/21/2005 | C | 12/16/2005 | 0 | | | | | |
| | M 225 | Mechanical Plan Level 2, Sector 5 | 10/21/2005 | C | 12/16/2005 | 0 | | | | | |
| | M 226 | Mechanical Plan Level 2, Sector 6 | 10/21/2005 | C | 12/16/2005 | 0 | | | | | |
| | M 231 | Mechanical Plan Level 3, Sector 1 | 10/21/2005 | A | 12/16/2005 | 0 | | | | | |
| | M 232 | Mechanical Plan Level 3, Sector 2 | 10/21/2005 | B | 12/16/2005 | 0 | | | | | |
| | M 233 | Mechanical Plan Level 3, Sector 3 | 10/21/2005 | B | 12/16/2005 | 0 | | | | | |
| | M 234 | Mechanical Plan Level 3, Sector 4 | 10/21/2005 | C | 12/16/2005 | 0 | | | | | |
| | M 244 | Mechanical Plan Level 4, Sector 4 | 10/21/2005 | C | 12/16/2005 | 0 | | | | | |
| | M 254 | Mechanical Plan Level 5, Sector 4 | 10/21/2005 | C | 12/16/2005 | 0 | | | | | |
| | M 301 | Piping Plan Level 0, Sector 1 | 10/21/2005 | B | 12/16/2005 | 0 | | | | | |
| | M 302 | Piping Plan Level 0, Sector 2 | 10/21/2005 | B | 12/16/2005 | 0 | | | | | |
| | M 303 | Piping Plan Level 0, Sector 3 | 10/21/2005 | B | 12/16/2005 | 0 | | | | | |
| | M 304 | Piping Plan Level 0, Sector 4 | 10/21/2005 | B | 12/16/2005 | 0 | | | | | |
| | M 305 | Piping Plan Level 0, Sector 5 | 10/21/2005 | B | 12/16/2005 | 0 | | | | | |
| | M 306 | Piping Plan Level 0, Sector 6 | 10/21/2005 | A | 12/16/2005 | 0 | | | | | |
| | M 311 | Piping Plan Level 1, Sector 1 | 10/21/2005 | B | 12/16/2005 | 0 | | | | | |
| | M 312 | Piping Plan Level 1, Sector 2 | | | 12/16/2005 | 0 | | | | | |

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|---|-----|---|------------|---|------------|---|--|--|--|--|
| M | 313 | Piping Plan Level 1, Sector 3 | 10/21/2005 | B | 12/16/2005 | 0 | | | | |
| M | 314 | Piping Plan Level 1, Sector 4 | 10/21/2005 | B | 12/16/2005 | 0 | | | | |
| M | 316 | Piping Plan Level 1, Sector 6 | 10/21/2005 | A | 12/16/2005 | 0 | | | | |
| M | 321 | Piping Plan Level 2, Sector 1 | 10/21/2005 | B | 12/16/2005 | 0 | | | | |
| M | 322 | Piping Plan Level 2, Sector 2 | 10/21/2005 | B | 12/16/2005 | 0 | | | | |
| M | 323 | Piping Plan Level 2, Sector 3 | 10/21/2005 | B | 12/16/2005 | 0 | | | | |
| M | 324 | Piping Plan Level 2, Sector 4 | 10/21/2005 | B | 12/16/2005 | 0 | | | | |
| M | 325 | Piping Plan Level 2, Sector 5 | | | 12/16/2005 | 0 | | | | |
| M | 326 | Piping Plan Level 2, Sector 6 | 10/21/2005 | A | 12/16/2005 | 0 | | | | |
| M | 331 | Piping Plan Level 3, Sector 1 | 10/21/2005 | A | 12/16/2005 | 0 | | | | |
| M | 333 | Piping Plan Level 3, Sector 3 | 10/21/2005 | A | 12/16/2005 | 0 | | | | |
| M | 334 | Piping Plan Level 3, Sector 4 | 10/21/2005 | B | 12/16/2005 | 0 | | | | |
| M | 344 | Piping Plan Level 4, Sector 4 | 10/21/2005 | B | 12/16/2005 | 0 | | | | |
| M | 354 | Piping Plan Level 5, Sector 4 | 10/21/2005 | B | 12/16/2005 | 0 | | | | |
| M | 400 | Mechanical Enlarged Plans | 10/21/2005 | C | 12/16/2005 | 0 | | | | |
| M | 501 | Mechanical Section | | | 12/16/2005 | 0 | | | | |
| M | 502 | Mechanical Section | | | 12/16/2005 | 0 | | | | |
| M | 503 | Mechanical Section | | | 12/16/2005 | 0 | | | | |
| M | 504 | Mechanical Section | | | 12/16/2005 | 0 | | | | |
| M | 601 | District Chilled Water Piping Flow Diagram | 10/21/2005 | A | 12/16/2005 | 0 | | | | |
| M | 602 | District Chilled Water Piping Flow Diagram | 10/21/2005 | A | 12/16/2005 | 0 | | | | |
| M | 603 | Hot Water Piping Flow Diagram | 10/21/2005 | A | 12/16/2005 | 0 | | | | |
| M | 604 | Steam & Condensate Piping Flow Diagram | 10/21/2005 | A | 12/16/2005 | 0 | | | | |
| M | 605 | Lab Make-up Air Supply / Exhaust Air Flow | 10/21/2005 | A | 12/16/2005 | 0 | | | | |
| M | 606 | Make-up Air Supply / Exhaust Air Flow | 10/21/2005 | A | 12/16/2005 | 0 | | | | |
| M | 607 | Low Temp. Chilled Water System Flow Diagram | 10/21/2005 | A | 12/16/2005 | 0 | | | | |
| M | 608 | EE Exhaust System Flow Diagram | | | 12/16/2005 | 0 | | | | |
| M | 701 | Cleanroom Pressurization Diagram | 10/21/2005 | D | 12/16/2005 | 0 | | | | |
| M | 702 | Cleanroom Make-up Air Units Sequence of Operation | 10/21/2005 | D | 12/16/2005 | 0 | | | | |
| M | 703 | Fan Deck Make-Up Air Units Sequence of Operation | 10/21/2005 | D | 12/16/2005 | 0 | | | | |
| M | 704 | Recirculating Air Handlers Sequence of Operation | 10/21/2005 | D | 12/16/2005 | 0 | | | | |
| M | 705 | Fan Filter Units Diagram | 10/21/2005 | D | 12/16/2005 | 0 | | | | |
| M | 706 | Acid Exhaust System Flow Diagram | 10/21/2005 | D | 12/16/2005 | 0 | | | | |
| M | 707 | Heat / Solvent Exhaust System Flow Diagram | 10/21/2005 | D | 12/16/2005 | 0 | | | | |
| M | 708 | Biosafety Exhaust System Flow Diagram | 10/21/2005 | D | 12/16/2005 | 0 | | | | |
| M | 709 | Cleanroom Corridor AHU Flow Diagram | 10/21/2005 | B | 12/16/2005 | 0 | | | | |
| M | 710 | Primary and Secondary Chilled Water Piping Flow Diagram | 10/21/2005 | A | 12/16/2005 | 0 | | | | |

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Project # 000

Drawing Log

Exhibit A

| | | | | | | | | | | |
|---|-----|--|------------|---|------------|---|--|--|--|--|
| M | 711 | Tertiary Chilled Water Piping Flow Diagram | 10/21/2005 | A | 12/16/2005 | 0 | | | | |
| M | 712 | Low Temp. Chilled Water Condenser Piping Flow Diagram | 10/21/2005 | A | 12/16/2005 | 0 | | | | |
| M | 713 | Low Temp. Chilled Water Piping Flow Diagram | 10/21/2005 | A | 12/16/2005 | 0 | | | | |
| M | 714 | Steam / Hot Water Piping Flow Diagram | 10/21/2005 | A | 12/16/2005 | 0 | | | | |
| M | 715 | Mechanical Room Refrigerant Evacuation Control Diagram | 10/21/2005 | A | 12/16/2005 | 0 | | | | |
| M | 721 | Lab Make-Up Air Unit Diagram | 10/21/2005 | A | 12/16/2005 | 0 | | | | |
| M | 722 | Office Air Handlers Unit Diagram | 10/21/2005 | A | 12/16/2005 | 0 | | | | |
| M | 723 | Gallery Air Handler Diagram | 10/21/2005 | A | 12/16/2005 | 0 | | | | |
| M | 724 | Lab Ventilation Diagram | 10/21/2005 | A | 12/16/2005 | 0 | | | | |
| M | 725 | Cleanroom Spot Coolers | 10/21/2005 | A | 12/16/2005 | 0 | | | | |
| M | 726 | Gas Room MAU and Exhaust | 10/21/2005 | A | 12/16/2005 | 0 | | | | |
| M | 731 | Control Details | 10/21/2005 | D | 12/16/2005 | 0 | | | | |
| M | 801 | Equipment Schedule | 10/21/2005 | D | 12/16/2005 | 0 | | | | |
| M | 802 | Equipment Schedule | 10/21/2005 | D | 12/16/2005 | 0 | | | | |
| M | 803 | Equipment Schedule | 10/21/2005 | D | 12/16/2005 | 0 | | | | |
| M | 804 | Equipment Schedule | 10/21/2005 | D | 12/16/2005 | 0 | | | | |
| M | 805 | Equipment Schedule | 10/21/2005 | D | 12/16/2005 | 0 | | | | |
| M | 806 | Equipment Schedule | 10/21/2005 | D | 12/16/2005 | 0 | | | | |
| M | 901 | HVAC Details | 10/21/2005 | B | 12/16/2005 | 0 | | | | |
| M | 902 | HVAC Details | 10/21/2005 | B | 12/16/2005 | 0 | | | | |
| M | 903 | HVAC Details | 10/21/2005 | B | 12/16/2005 | 0 | | | | |
| M | 904 | HVAC Details | 10/21/2005 | B | 12/16/2005 | 0 | | | | |
| M | 905 | HVAC Details Cleanroom | 10/21/2005 | B | 12/16/2005 | 0 | | | | |
| M | 906 | HVAC Details Cleanroom | 10/21/2005 | B | 12/16/2005 | 0 | | | | |
| M | 907 | HVAC Details Cleanroom | 10/21/2005 | A | 12/16/2005 | 0 | | | | |
| M | 908 | HVAC Details Cleanroom | 10/21/2005 | A | 12/16/2005 | 0 | | | | |
| M | 909 | HVAC Details Cleanroom | 10/21/2005 | A | 12/16/2005 | 0 | | | | |

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Project # 000
Drawing Log
Exhibit A

ELECTRICAL ENGINEERING

| BLDG | DWG | DESCRIPTION | 95% DATE | 95% REV. | 100% DATE | 100% REV. | 1 | 2 | 3 | 4 | 5 |
|------|-------|--|-------------|-------------|--------------|--------------|---|---|---|---|---|
| | E 010 | Electrical Notes and Symbols | 10/21/05 | C | 12/16/2005 | 0 | | | | | |
| | E 011 | Lighting Fixtures Schedule | 10/21/05 | A | 12/16/2005 | 0 | | | | | |
| | E 101 | Electrical Site Plan Power | 10/21/05 | D | 12/16/2005 | 0 | | | | | |
| | E 102 | Electrical Site Plan Communications | 10/21/05 | C | 12/16/2005 | 0 | | | | | |
| | E 103 | Electrical Site Plan Lighting and Power | | | 12/16/2005 | 0 | | | | | |
| | E 104 | Electrical Site Plan Lighting and Power | | | 12/16/2005 | 0 | | | | | |
| | E 105 | Electrical Site Plan Lighting and Power | | | 12/16/2005 | 0 | | | | | |
| | E 106 | Electrical Site Plan Lighting and Power | | | 12/16/2005 | 0 | | | | | |
| | E 201 | Single Line Diagram Overall | 10/21/05 | D | 12/16/2005 | 0 | | | | | |
| | E 202 | Single Line Diagram Substation CN4D0-01A | 10/21/05 | C | 12/16/2005 | 0 | | | | | |
| | E 203 | Single Line Diagram Substation LN4E0-01A | 10/21/05 | C | 12/16/2005 | 0 | | | | | |
| | E 204 | Single Line Diagram Substation LN4E0-01B | 10/21/05 | C | 12/16/2005 | 0 | | | | | |
| | E 205 | Single Line Diagram Substation LN4E0-02B | 10/21/05 | C | 12/16/2005 | 0 | | | | | |
| | E 206 | Grounding Riser Overall LN4E0-02A | 10/21/05 | A | 12/16/2005 | 0 | | | | | |
| | E 301 | Lighting Plan Level 0, Sector 1 | 10/21/05 | C | 12/16/2005 | 0 | | | | | |
| | E 302 | Lighting Plan Level 0, Sector 2 | 10/21/05 | C | 12/16/2005 | 0 | | | | | |
| | E 303 | Lighting Plan Level 0, Sector 3 | 10/21/05 | C | 12/16/2005 | 0 | | | | | |
| | E 304 | Lighting Plan Level 0, Sector 4 | 10/21/05 | C | 12/16/2005 | 0 | | | | | |
| | E 305 | Lighting Plan Level 0, Sector 5 | 10/21/05 | C | 12/16/2005 | 0 | | | | | |
| | E 306 | Lighting Plan Level 0, Sector 6 | 10/21/05 | C | 12/16/2005 | 0 | | | | | |
| | E 311 | Lighting Plan Level 1, Sector 1 | 10/21/05 | C | 12/16/2005 | 0 | | | | | |
| | E 312 | Lighting Plan Level 1, Sector 2 | 10/21/05 | C | 12/16/2005 | 0 | | | | | |
| | E 313 | Lighting Plan Level 1, Sector 3 | 10/21/05 | C | 12/16/2005 | 0 | | | | | |
| | E 314 | Lighting Plan Level 1, Sector 4 | 10/21/05 | C | 12/16/2005 | 0 | | | | | |
| | E 315 | Lighting Plan Level 1, Sector 5 | 10/21/05 | C | 12/16/2005 | 0 | | | | | |
| | E 316 | Lighting Plan Level 1, Sector 6 | 10/21/05 | C | 12/16/2005 | 0 | | | | | |
| | E 321 | Lighting Plan Level 2, Sector 1 | 10/21/05 | C | 12/16/2005 | 0 | | | | | |
| | E 322 | Lighting Plan Level 2, Sector 2 | | | 12/16/2005 | 0 | | | | | |
| | E 323 | Lighting Plan Level 2, Sector 3 | | | 12/16/2005 | 0 | | | | | |
| | E 324 | Lighting Plan Level 2, Sector 4 | | | 12/16/2005 | 0 | | | | | |
| | E 325 | Lighting Plan Level 2, Sector 5 | 10/21/05 | C | 12/16/2005 | 0 | | | | | |
| | E 326 | Lighting Plan Level 2, Sector 6 | 10/21/05 | C | 12/16/2005 | 0 | | | | | |
| | E 333 | Lighting Plan Level 3, Sector 3 | | | 12/16/2005 | 0 | | | | | |
| | E 334 | Lighting Plan Level 3, Sector 4 | | | 12/16/2005 | 0 | | | | | |

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Project # 000

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Exhibit A

| | | | | | | | | | |
|---|-----|---|----------|---|------------|---|--|--|--|
| E | 335 | Lighting Plan Level 3, Sector 1 | 10/21/05 | C | 12/16/2005 | 0 | | | |
| E | 344 | Lighting Plan Level 4, Sector 4 | | | 12/16/2005 | 0 | | | |
| E | 345 | Lighting Plan Level 4, Sector 5 | 10/21/05 | C | 12/16/2005 | 0 | | | |
| E | 400 | Overall Power Plan Level 0 | 10/21/05 | D | 12/16/2005 | 0 | | | |
| E | 401 | Power Plan Level 0, Sector 1 | 10/21/05 | C | 12/16/2005 | 0 | | | |
| E | 402 | Power Plan Level 0, Sector 2 | 10/21/05 | C | 12/16/2005 | 0 | | | |
| E | 403 | Power Plan Level 0, Sector 3 | 10/21/05 | C | 12/16/2005 | 0 | | | |
| E | 404 | Power Plan Level 0, Sector 4 | 10/21/05 | C | 12/16/2005 | 0 | | | |
| E | 405 | Power Plan Level 0, Sector 5 | 10/21/05 | C | 12/16/2005 | 0 | | | |
| E | 406 | Power Plan Level 0, Sector 6 | 10/21/05 | C | 12/16/2005 | 0 | | | |
| E | 410 | Overall Power Plan Level 1 | | | | | | | |
| E | 411 | Power Plan Level 1, Sector 1 | 10/21/05 | C | 12/16/2005 | 0 | | | |
| E | 412 | Power Plan Level 1, Sector 2 | 10/21/05 | D | 12/16/2005 | 0 | | | |
| E | 413 | Power Plan Level 1, Sector 3 | 10/21/05 | C | 12/16/2005 | 0 | | | |
| E | 414 | Power Plan Level 1, Sector 4 | 10/21/05 | C | 12/16/2005 | 0 | | | |
| E | 415 | Power Plan Level 1, Sector 5 | 10/21/05 | C | 12/16/2005 | 0 | | | |
| E | 416 | Power Plan Level 1, Sector 6 | 10/21/05 | C | 12/16/2005 | 0 | | | |
| E | 420 | Overall Power Plan Level 2 | | | | | | | |
| E | 421 | Power Plan Level 2, Sector 1 | 10/21/05 | D | 12/16/2005 | 0 | | | |
| E | 422 | Power Plan Level 2, Sector 2 | 10/21/05 | C | 12/16/2005 | 0 | | | |
| E | 423 | Power Plan Level 2, Sector 3 | 10/21/05 | C | 12/16/2005 | 0 | | | |
| E | 424 | Power Plan Level 2, Sector 4 | 10/21/05 | C | 12/16/2005 | 0 | | | |
| E | 425 | Power Plan Level 2, Sector 5 | 10/21/05 | C | 12/16/2005 | 0 | | | |
| E | 426 | Power Plan Level 2, Sector 6 | 10/21/05 | C | 12/16/2005 | 0 | | | |
| E | 434 | Power Plan Level 3, Sector 4 | 10/21/05 | C | 12/16/2005 | 0 | | | |
| E | 435 | Power Plan Level 3, Sector 5 | 10/21/05 | C | 12/16/2005 | 0 | | | |
| E | 444 | Power Plan Level 4, Sector 4 | 10/21/05 | C | 12/16/2005 | 0 | | | |
| E | 450 | Overall Roof Plan Level 5 | | | | | | | |
| E | 500 | Life Safety and Aux. Sys. Level 0, Overall Plan | 10/21/05 | A | 12/16/2005 | 0 | | | |
| E | 501 | Life Safety and Aux. Sys. Level 0, Sector 1 | 10/21/05 | C | 12/16/2005 | 0 | | | |
| E | 502 | Life Safety and Aux. Sys. Level 0, Sector 2 | 10/21/05 | C | 12/16/2005 | 0 | | | |
| E | 503 | Life Safety and Aux. Sys. Level 0, Sector 3 | 10/21/05 | C | 12/16/2005 | 0 | | | |
| E | 504 | Life Safety and Aux. Sys. Level 0, Sector 4 | 10/21/05 | C | 12/16/2005 | 0 | | | |
| E | 505 | Life Safety and Aux. Sys. Level 0, Sector 5 | 10/21/05 | C | 12/16/2005 | 0 | | | |
| E | 506 | Life Safety and Aux. Sys. Level 0, Sector 6 | 10/21/05 | B | 12/16/2005 | 0 | | | |
| E | 510 | Life Safety and Aux. Sys. Level 1, Overall Plan | 10/21/05 | C | 12/16/2005 | 0 | | | |
| E | 511 | Life Safety and Aux. Sys. Level 1, Sector 1 | 10/21/05 | C | 12/16/2005 | 0 | | | |

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 Project # 000
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 Exhibit A

| | | | | | | | | | |
|---|-----|---|----------|---|------------|---|--|--|--|
| E | 512 | Life Safety and Aux. Sys. Level 1, Sector 2 | 10/21/05 | C | 12/16/2005 | 0 | | | |
| E | 513 | Life Safety and Aux. Sys. Level 1, Sector 3 | 10/21/05 | C | 12/16/2005 | 0 | | | |
| E | 514 | Life Safety and Aux. Sys. Level 1, Sector 4 | 10/21/05 | C | 12/16/2005 | 0 | | | |
| E | 515 | Life Safety and Aux. Sys. Level 1, Sector 5 | 10/21/05 | C | 12/16/2005 | 0 | | | |
| E | 516 | Life Safety and Aux. Sys. Level 1, Sector 6 | 10/21/05 | B | 12/16/2005 | 0 | | | |
| E | 520 | Life Safety and Aux. Sys. Level 2, Overall Plan | 10/21/05 | C | 12/16/2005 | 0 | | | |
| E | 521 | Life Safety and Aux. Sys. Level 2, Sector 1 | 10/21/05 | C | 12/16/2005 | 0 | | | |
| E | 522 | Life Safety and Aux. Sys. Level 2, Sector 2 | 10/21/05 | C | 12/16/2005 | 0 | | | |
| E | 523 | Life Safety and Aux. Sys. Level 2, Sector 3 | 10/21/05 | C | 12/16/2005 | 0 | | | |
| E | 524 | Life Safety and Aux. Sys. Level 2, Sector 4 | 10/21/05 | C | 12/16/2005 | 0 | | | |
| E | 525 | Life Safety and Aux. Sys. Level 2, Sector 5 | 10/21/05 | C | 12/16/2005 | 0 | | | |
| E | 526 | Life Safety and Aux. Sys. Level 2, Sector 6 | 10/21/05 | B | 12/16/2005 | 0 | | | |
| E | 534 | Life Safety and Aux. Sys. Level 3, Sector 4 | 10/21/05 | C | 12/16/2005 | 0 | | | |
| E | 535 | Life Safety and Aux. Sys. Level 3, Sector 5 | 10/21/05 | C | 12/16/2005 | 0 | | | |
| E | 544 | Life Safety and Aux. Sys. Level 4, Sector 4 | 10/21/05 | C | 12/16/2005 | 0 | | | |
| E | 700 | Grounding Plan Level 0, Overall Plan | 10/21/05 | C | 12/16/2005 | 0 | | | |
| E | 710 | Grounding Plan Level 1, Overall Plan | 10/21/05 | C | 12/16/2005 | 0 | | | |
| E | 720 | Grounding Plan Level 2, Overall Plan | 10/21/05 | C | 12/16/2005 | 0 | | | |
| E | 730 | Grounding Plan Level 3, Overall Plan | 10/21/05 | C | 12/16/2005 | 0 | | | |
| E | 740 | Grounding Plan Level 4, Overall Plan | 10/21/05 | C | 12/16/2005 | 0 | | | |
| E | 801 | Electrical Details | 10/21/05 | C | 12/16/2005 | 0 | | | |
| E | 802 | Electrical Details | 10/21/05 | C | 12/16/2005 | 0 | | | |
| E | 803 | Electrical Details | 10/21/05 | C | 12/16/2005 | 0 | | | |
| E | 804 | Electrical Details | 10/21/05 | C | 12/16/2005 | 0 | | | |
| E | 807 | Electrical Details | 10/21/05 | C | 12/16/2005 | 0 | | | |
| E | 808 | Electrical Details | 10/21/05 | C | 12/16/2005 | 0 | | | |
| E | 809 | Electrical Details | 10/21/05 | C | 12/16/2005 | 0 | | | |
| E | 810 | Electrical Details | 10/21/05 | C | 12/16/2005 | 0 | | | |
| E | 811 | Electrical Details | 10/21/05 | A | 12/16/2005 | 0 | | | |
| E | 813 | Electrical Details | 10/21/05 | A | 12/16/2005 | 0 | | | |
| E | 814 | Main Switch Board Short Circuit and Voltage Drop Study | 10/21/05 | A | 12/16/2005 | 0 | | | |
| E | 815 | Switch Board LN4E0-01A Short Circuit and Voltage Drop Study | 10/21/05 | A | 12/16/2005 | 0 | | | |
| E | 816 | Switch Board LN4E0-01B Short Circuit and Voltage Drop Study | 10/21/05 | A | 12/16/2005 | 0 | | | |
| E | 817 | Switch Board LN4E0-01C Short Circuit and Voltage Drop Study | 10/21/05 | A | 12/16/2005 | 0 | | | |
| E | 818 | Switch Board LN4E0-01D Short Circuit and Voltage Drop Study | 10/21/05 | A | 12/16/2005 | 0 | | | |
| E | 819 | Lighting Controls | | | 12/16/2005 | 0 | | | |
| E | 901 | Communication Riser Diagram | 10/21/05 | C | 12/16/2005 | 0 | | | |




Initiated by:

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Georgia Tech N otechnology
 Project # 000
 Drawing Log
 Exhibit A

| | | | | | | | | | | | |
|--|---|-----|--------------------------|----------|---|------------|---|--|--|--|--|
| | E | 903 | Hazardous Gas Monitoring | 10/21/05 | C | 12/16/2005 | 0 | | | | |
| | E | 904 | Electrical Schedules | 10/21/05 | C | 12/16/2005 | 0 | | | | |
| | E | 905 | Electrical Schedules | 10/21/05 | C | 12/16/2005 | 0 | | | | |
| | E | 906 | Electrical Schedules | 10/21/05 | C | 12/16/2005 | 0 | | | | |
| | E | 907 | Electrical Schedules | 10/21/05 | C | 12/16/2005 | 0 | | | | |
| | E | 908 | Electrical Schedules | 10/21/05 | C | 12/16/2005 | 0 | | | | |
| | E | 909 | Electrical Schedules | 10/21/05 | C | 12/16/2005 | 0 | | | | |
| | E | 910 | Electrical Schedules | 10/21/05 | C | 12/16/2005 | 0 | | | | |
| | E | 912 | Electrical Schedules | 10/21/05 | B | 12/16/2005 | 0 | | | | |
| | E | 913 | Electrical Schedules | 10/21/05 | B | 12/16/2005 | 0 | | | | |
| | E | 914 | Electrical Schedules | 10/21/05 | B | 12/16/2005 | 0 | | | | |
| | E | 915 | Electrical Schedules | 10/21/05 | B | 12/16/2005 | 0 | | | | |
| | E | 916 | Electrical Schedules | 10/21/05 | B | 12/16/2005 | 0 | | | | |
| | E | 917 | Electrical Schedules | 10/21/05 | B | 12/16/2005 | 0 | | | | |
| | E | 918 | Electrical Schedules | 10/21/05 | B | 12/16/2005 | 0 | | | | |

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 Subcontractor 

TT0000005274

Georgia Tech N otechnology
Project # 000
Drawing Log
Exhibit A

SPACE MANAGEMENT

| BLDG | DWG | DESCRIPTION | 95% DATE | 95% REV. | 100% DATE | 100% REV. | REVISIONS | | | | |
|------|-------|---|-------------|-------------|--------------|--------------|-----------|---|---|---|---|
| | | | | | | | 1 | 2 | 3 | 4 | 5 |
| | R 101 | Space Management Piperaack Plan Level 0 | 10/21/2005 | A | 12/16/2005 | 0 | | | | | |
| | R 401 | Space Management Enlarged Piperaack Plan Level 0 | 10/21/2005 | A | 12/16/2005 | 0 | | | | | |
| | R 501 | Space Management Sections Looking North Columns 2-6 | 10/21/2005 | A | 12/16/2005 | 0 | | | | | |
| | R 502 | Space Management Sections Looking North Columns 7-11 | 10/21/2005 | A | 12/16/2005 | 0 | | | | | |
| | R 503 | Space Management Sections Looking East & West Typical Sub-Main Bays | 10/21/2005 | A | 12/16/2005 | 0 | | | | | |
| | R 504 | Space Management Sections Looking North Piperaack To Lab Bldg | 10/21/2005 | A | 12/16/2005 | 0 | | | | | |
| | R 505 | Space Management Sections Piperaack To Lab Bldg | 10/21/2005 | A | 12/16/2005 | 0 | | | | | |
| | R 510 | Space Management Sections Looking West Thru Lab | 10/21/2005 | A | 12/16/2005 | 0 | | | | | |
| | R 511 | Space Management Sections Looking North & South Thru Lab | 10/21/2005 | A | 12/16/2005 | 0 | | | | | |
| | R 901 | Space Management Piperaack Details | 10/21/2005 | A | 12/16/2005 | 0 | | | | | |

Initialed by:



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Subcontractor

KS

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 Project # 000
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 Exhibit A

| SOILS REPORT | | | | | | | | | |
|--------------|-----|--------------------|-------------|--------------|-----------|---|---|---|---|
| BLDG | DWG | DESCRIPTION | 95% DATE | 100% DATE | REVISIONS | | | | |
| | | | | | 1 | 2 | 3 | 4 | 5 |
| | | ATC - Soils Report | 01/23/2003 | 01/23/2003 | | | | | |

Initialed by: 
 Contractor 
 Subcontractor _____

TT0000005276

EXHIBIT B
SCOPE OF WORK



A. GENERAL SCOPE REQUIREMENTS

In addition to the items in the Boiler Plate of this trade contract, the contractor is to provide the following items as they apply to the work in each trade contract/purchase order unless specifically noted otherwise in the specific scope requirements (Note: "provide" shall mean furnish and install).

1. General Conditions / General Requirements

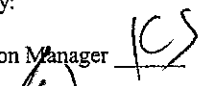
- a. Where furnishing and installation of work is indicated by separate parties include:
 - 1) Furnishing Party - delivery to job site including freight and taxes
 - 2) Installing Party - receiving, unloading, inventory, storage, handling and installation.
- b. Whiting-Turner to provide stakeout for limits of disturbance, building corners and horizontal/vertical control. Contractor to provide survey/layout required to perform their work.
- c. Field measurements and verification of existing conditions.
- d. Surface preparation and inspection for proper installation of this work. Include cleanup, etching, flash patching, moisture testing, etc as required per specifications and manufacturers instructions. Commencement of this work shall constitute acceptance of the substrate as suitable for this work.
- e. Core drilling, cutting, and patching as required to perform this work. Include restoration of all surfaces to original condition. Cutting to be performed as to minimize patching.
- f. Excavation, backfill & mucking/dewatering for this work.
- g. Control wiring required for equipment provided as part of this work and not specified elsewhere in the Contract documents.
- h. Concrete required for this scope of work, which is not detailed on the architectural or structural drawings (e.g. equipment pads, thrust blocks, inertia pads, ductbanks, etc.)
- i. Sleeves, inserts, and anchors for this work.
- j. Additional reinforcement/supports for this work, which are not specifically identified on the architectural and structural drawings.
- k. Sealants, caulking and firestopping integral with this work.
- l. Permit fees, licenses, testing and inspection for this work other than the building permit. Testing for soil compaction, structural steel and concrete will be performed by an independent testing agency of the Owner's choice. Contractor shall coordinate and cooperate with the testing agency and provide assistance and access, as necessary.
- m. Scaffolding, lifts, cranes and other means of access for this work.
- n. Unloading, Hoisting, and maintenance of traffic.

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
- o Temporary staging, storage, and office facilities including utilities for the same
- p Temporary weather and dust protection for this work.
- q Temporary protection of new and existing work from damage by this work. Trade contractor to repair damage at own expense
- r Temporary sheeting, shoring and bracing as required to perform this work
- s Temporary barricades shall be placed and maintained by the contractor creating the hazard, or when necessary to facilitate the next sequence of construction. The contractor responsible for the next sequence of construction is then responsible for the barricades if a hazard still exists. Contractors who disturb barricades shall restore them to meet safety requirements, at their own expense. The foregoing "barricades" applies equally to all safety, weather and dust protection provisions. Whiting-Turner shall have the right to determine the suitability of any and all barricades.
- t Compliance with local noise restrictions
- u Owner, Whiting-Turner & OSHA safety requirements (See Supplemental Conditions for Whiting-Turner Non-OSHA rules)
- v Full-time, competent on-site supervision is required by all Contractors during performance of their own work. In the case of contracts involving Second Tier Subcontractors, the Primary Contractor will provide on-site supervision and coordination of their subcontractors and direct hire work. The contractor will be backcharged for time spent performing such coordination by Whiting-Turner
- w This contractor shall procure a minimum of one (1) Whiting-Turner compatible Nextel radio and charger for the purpose of field communication. At all times during the course of the work, the subcontractor shall maintain communication for safety and security reasons.
- x This contractor understands that this is a fast-track project and during the execution of the work, the site will be congested with many other trades. The subcontractor should not assume that construction can be carried out in a continuous, uninterrupted manner
- y This contractor shall execute the work by means of workmanship that meets or exceeds industry standards. Any work that is found to be out of compliance with this requirement and/or the project specifications shall be repaired or removed and replaced as directed by Whiting-Turner and/or the Owner, at no additional cost to Whiting-Turner and/or the Owner.
- z All contractor personnel are required to check in/out each day with the Whiting-Turner Superintendent. Under no circumstances shall work be scheduled or performed without Whiting-Turner personnel being notified and present onsite.
- aa Each week Whiting-Turner will conduct a Weekly Progress Meeting. The purpose of the meeting will be as follows: to review the project progress to date, to outline and discuss upcoming scheduled work activities, to coordinate subcontractor work activities, to discuss project safety & quality, and to address any other matters affecting the project or the project team. It is mandatory that a company representative, who is familiar with the on-going project activities of this contract, represent each subcontractor at the meeting. This representative must also be authorized to speak for the contractor and to make binding commitments on its behalf.

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- bb. Temporary lighting, power & water as required for this work beyond that provided by mechanical and electrical contractors per specifications. Temporary lighting, power, and water will be provided once the permanent supply and distribution system has been installed. Until such time, the contractor is responsible for temporary measures required to perform their work.
 - cc. Adhere to the following provisions:
 - 1) The maximum sized motor to be used by any subcontractor at any 120V receptacle shall be limited to 1HP.
 - 2) Provisions for electric welders shall be the responsibility of this subcontractor.
 - 3) Where the contractor requires special electrical service characteristics not addressed above; this subcontractor shall provide such services at his own expense.
 - dd. In the event of any discrepancy between contract documents and governing code/regulations/standards, the more stringent shall apply.
 - ee. Insurance per W-T standard subcontract and Owner contract (see Exhibit C).
 - ff. Professional liability insurance for any design/engineering work.
 - gg. Performance & Payment Bonds per Whiting-Turner Standard Forms.
2. **Project Records / Documents**
- a. Shop drawings, submittals and mock-ups as specified. Ten (10) copies of all submittals, literature, and operation maintenance data. One (1) reproducible and three (3) sets of prints for shop drawings.
 - b. Provision of the contract document required submittals within 10 days of award. Failure to provide complete submittal data will result in 0.1% penalty per day, maximum 10% of contract value.
 - c. As-built drawings, O&M Manuals, commissioning tests and all other required closeout documentation.
 - d. Reproduction costs for contract documents and shop drawings.
 - e. Engineering calculations/PE certifications as specified.
 - f. Professional liability insurance for any design/engineering work.
 - g. Performance & Payment Bonds, if required, per Whiting-Turner Standard Forms.
 - h. MSDS sheets for all materials must be submitted with the submittals and prior to start of this work. Submittal to contain at a minimum the MSDS#, chemical name, chemical manufacturer, manufacturer address, entry routes, and first aid procedures. Additional information may be required. Should a subcontractor wish to use a product not listed, a chemical request form must be submitted. The approval process may take 2 to 4 weeks. Under no circumstances will a non-approved chemical be brought onsite.
 - i. All punchlist work and project closeout documentation shall be completed and approved by the Owner and Architect by the "Date of Final Completion" which shall be no later than 14 days after the Date of Material Completion. Any uncompleted punchlist items after this date will be completed by Whiting-Turner and these costs will be backcharged to the appropriate contractor or vendor.
 - j. Warranties as specified commencing on date of material completion.
 - k. Prepare and maintain a material status report for all material to be used on the project. The report shall include material item, supplier, purchase order number, telephone number, and a schedule for shop drawings, fabrication,

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and deliveries. Whiting-Turner reserves the right to check directly with suppliers on all items that are critical to the project schedule. This report is to be submitted with your monthly invoice as a condition of payment.

- 1 This contractor shall maintain a current set of As-Built drawings during the course of the work. This contractor shall have these drawings available upon request for review by the A/E and Whiting-Turner. Whiting-Turner reserves the right to withhold subcontractor monthly payment based on insufficiently updated As-Built records. Upon completion of the work, a field generated red line set of As-Built drawings, two photocopies of the same, and updated CAD drawings shall be submitted to Whiting-Turner.
- m. Submit daily work reports indicating number of workers by classification, hours worked, and construction progress information on the preprinted form found in the Supplemental Conditions to the Contract. Additional forms are available from Whiting-Turner superintendents during course of work.


3. Housekeeping

- a. Daily and final cleanup including mud and dirt tracked onto public walks, lots and roads. Good housekeeping is essential to the safe and efficient construction of the job and is the responsibility of each foreman and his crew. Work areas, stairways, walkways, storage rooms, and other areas shall be kept clean of obstructions, paper, scrap, pipe, lumber, welding rods, rags, and other debris at all times. More than daily removal may be necessary to maintain a safe work area. Failure to pursue this work shall result in backcharges. The Whiting-Turner Superintendent shall determine what constitutes a safe work area.
- b. Removal offsite all trash, debris and spoils generated by this work unless noted otherwise. Whiting-Turner will provide dumpsters and trash chutes if necessary for interior fit-out work only.
- c. The contractor is responsible for keeping public streets clean, free of dirt and debris, and functional at all times. If the contractor is found to be in noncompliance, the contractor will be backcharged for the cost of having the street cleaned.
- d. Contractors will treat onsite-paved streets as public streets, and will be responsible for keeping them clean, free of dirt and debris, and functional at all times. If contractor is found to be in noncompliance, said contractor will be backcharged for the cost of having the street cleaned.
- e. All building pad grading has been completed to finish floor elevation. This additional material will remain until just before the slab on grade is poured to protect the sub-base from construction activity and weather. Contractors are responsible for repairing any damage caused by their work and returning the building pad to its original condition.
- f. Construction personnel and all deliveries shall use Gates, as determined by Whiting-Turner, for access to the project unless otherwise directed by Whiting-Turner.
- g. Smoking is not permitted in Georgia Tech buildings or construction areas. Georgia Tech and Whiting-Turner will designate a limited number of smoking areas.

4. Coordination

- a. Normal working hours for this project shall be as established by Whiting-Turner: (Working other hours will require authorization by Whiting-Turner)
- b. Special provisions to minimize disruption to existing facilities operations (if applicable)
 - 1) Any work that will disrupt facilities operations generally must be performed during off hours; this includes:
 - All utility outages
 - Operations disrupting access/egress at entrances
 - Operations creating a safety hazard to the public

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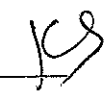
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- 2) Arrangements must be made in advance with the Project Superintendent for access to work within existing facilities
 - 3) Access to existing facilities must be maintained at all times. Provide necessary temporary measures and/or phase work to insure access requirements are maintained.
 - 4) Coordinate and phase site work to maintain traffic into and around the site and to provide for maximum parking capacity during construction per Owner requirements.
 - 5) Availability of space within the site for storage of material/equipment will be limited. All contractors must closely coordinate deliveries with the Project Superintendent
- c. Premium costs for shutdowns or any other off-hour work. All shutdowns must be scheduled at least one (1) week in advance
 - d. The contractor understands that this is a fast track project, and during the execution of work covered by this contract the site will be congested by many other trades. The bidder should assume that each item of work might not be done in one continuous operation.
 - e. Use of site for staging, storage trailers, parking, smoking, lunch, etc. shall be as instructed and approved by Whiting-Turner.
 - f. This contractor's employees will attend a mandatory site safety orientation prior to beginning any work.
 - g. Parking on site streets is not permitted. On-site parking is not allowed. Parking costs are the sole responsibility of trade contractors.
 - h. The use of a freight elevator, hoist, or crane must be coordinated with WT.
 - i. Phasing and remobilizations per the project schedule and as required to properly coordinate and complete the work.
 - j. Any contractor who wishes to fabricate materials in a building shall coordinate and obtain approval through Whiting-Turner.

5. Project Costs / Penalties

- a. Invoices: Pencil copy is due no later than the 20th of the month. (Faxed copies acceptable) Final, notarized original copies, with releases of lien, are due no later than the 25th - no fax copies. **Note: Must be on W-T forms. See supplement conditions.**
- b. Owner shall not pay for materials stored offsite.
- c. The contractor shall submit pricing for changes within five (5) days of receipt of change request, unless mutually agreed otherwise. All pricing must be accompanied by a detailed breakdown of the costs. Lump sum pricing will not be accepted. Non-response within the required time frame will be considered as the contractor's agreement to accept Whiting-Turner's assigned value for the change.
- d. Tickets for extra work will not be considered unless a work order has been previously issued to the contractor, signed by an authorized Whiting-Turner representative, which authorizes the work to be completed. Then the tickets must be submitted and backed up by a written summary of all associated costs within five (5) days of the performance of such work.

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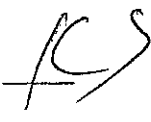
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- e. The Contractor agrees to participate in the Whiting-Turner recycling program. The Contractor is to dispose of all material such as structural steel, metals, wood, paper, etc. into the appropriate container as designated by the Project Superintendent. Failure to do so will result in a fine of \$200.00 per occurrence that will be deducted from your contract. If materials are not put into the appropriate container the contractor will be responsible for the cost of the disposal and haul-off of the container.
- f. In the event of any discrepancy between contract documents and governing code/regulations/standards, the more stringent shall apply.

6. Quality / Safety

- a. Comply with all Whiting-Turner Safety and Quality Control Program requirements for this work (See Supplemental Conditions for Complete Programs)
- b. This contractor shall conduct weekly safety meetings for all its employees. A Whiting-Turner superintendent and/or safety officer may attend this safety meeting. The Contractor must provide legible sign-in sheet and a meeting agenda to the Whiting-Turner field office by the end of that day.
- c. Whiting-Turner shall conduct bimonthly safety and quality control meetings at the job site. All employees working on the job site shall attend these meetings.
- d. Contractors, subcontractors and their employees are required to participate in a one-time safety training orientation session prior to commencing with any work on site. This safety training session will be held as needed at 7:30 A.M. in the Whiting-Turner field trailer. The safety training is approximately 2 hours.
- e. Contractors must submit to Whiting-Turner a written safety program for their company-wide safety policy 10 days prior to starting work. This written program is subject to review and comment by the Whiting-Turner safety department. The program will be kept in the Whiting-Turner field office during course of the work and shall contain all training records and certifications for this subcontractor's employees. The Contractor shall periodically update the records with submittals to Whiting-Turner as new employees arrive or current employees are trained.
- f. This Contractor shall be responsible to post any applicable signage to warn workers and others of potential hazards due to the work.
- g. Additional safety clarifications: (a) Audible-warning devices must be installed on all forklifts, scissor lifts, man lifts and articulated platforms used on this project work site. Audible devices must activate on any movement and upon descent of platform. (b) All safety equipment, such as lights, horn, etc., must be operational at all times. Forklift or moving equipment operators are required to wear seat belts. (c) Full body harness with lanyard is required for personnel within scissor lifts or articulated platforms. The tie-in point is a dedicated attachment point or as directed by the manufacturer.
- h. As required for the work, this contractor shall be responsible to cover and/or barricade any roof openings, floor openings, wall openings, excavations, or other fall hazards that are created by performing the work. All floor openings, 2' square or smaller, must be covered by a minimum of 3/4" plywood. Openings larger than 2' will require additional layers or other covering methods as determined by the subcontractor and approved by Whiting-Turner. All coverings shall be fastened securely and have a Whiting-Turner provided "Do Not Remove" sign. No coverings shall be removed without approval from Whiting-Turner. All barricades and railings must meet W-T and OSHA requirements.

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- i. This Contractor shall coordinate performance of this contract work with that of other subcontractors, independent testing and inspection agencies and as directed by Whiting-Turner. This contractor is responsible for providing any and all notices to Federal, State and Local authorities, such as building departments, environmental agencies, etc., for any inspections that may be required by such authorities. If such inspections are required and the necessary notifications were not given, this contractor is responsible for both all costs required to remedy the situation, including removal and replacement of work, if so directed, and all impacts to the project schedule. All inspections shall be coordinated with Whiting-Turner.

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B. SPECIFIC SCOPE

The Specific Scope of Work Items – Abatement and demolition of the Neely Building and the Electronics Research Building as well as site demolition in accordance with the drawings and specifications contained herein as well as all regulations set forth by OSHA, the EPA and any and all regulatory agencies having jurisdiction for the state of Georgia regarding hazardous materials.

This work shall include all labor, supervision, material, tools, equipment, shop drawings, submittals, transportation, taxes, permits, engineering, support functions, insurance, bonds, proper disposal of hazardous materials and any other items or services necessary for and reasonably incidental to the proper execution and completion of the work, in accordance with all drawings, specifications, state regulations, addenda, general conditions, requirements, and other related documents as indicated herein. The scope of work shall include but not be limited to the following:

I. Neely Reactor Building

NOTE: This General Contract is for any and all items included in the Reactor Building Drawings and Specifications. Any and all duplications between the Neely Reactor Drawings prepared by Richard and Wittschiede and the Nanotechnology Research Center Drawing prepared by M+W Zander will be the responsibility of this contractor.

A. Requirements – Neely Building**1.) Applicable specification sections:**

This work primarily includes but is not limited to the following specification sections as well as related work specified or shown elsewhere in the contract documents:

- i.) Nanotechnology Research Center Building Project Specifications Dated December 16, 2005
 - ii.) Neely Reactor Containment Building Abatement and Demolition Package dated December 29, 2005
 - iii.) Abatement Mock Up Neely Nuclear Research Center's Containment Building
 - iv.) Project Update Neely Nuclear Research Center's Containment Building Abatement Project Asbestos Containing Materials Field Verification
 - v.) Combined Environmental Site Assessment and Georgia Environmental Policy Act Audit Report for the Neely Nuclear Research Center Revision 1, dated February 10, 2005.
 - vi.) Final Geotechnical Engineering Report Nanotechnology Research Center Building Prepared for Georgia Institute of Technology
- 2.) Applicable drawings:**
See attached drawing log dated 1/9/06

B. Demolition, Abatement and Other Construction

- 1 This contract includes the complete abatement of any and all hazardous materials including lead, asbestos, mercury, PCB, etc.
- 2 This contractor is to submit a copy of their lead and asbestos program with their bid.
3. **Submit component safety plan and documentation for personnel showing they have been trained.**
- 4 Abatement contractor is responsible for training of Whiting Turner personnel and providing Whiting Turner personnel with any and all protective clothing, respirators, etc. for purposes of entering the work area for observation and supervision. Provide two (2) powered air purified respirators for Whiting-Turner supervision personnel.
5. This contractor is to include two (2) medical examinations for Whiting-Turner personnel. One to be conducted prior to the start of abatement and one to be conducted at the completion of the abatement. Provide unit costs for medical examinations.
- 6 Provide two (2) radios for exclusive use of Whiting-Turner personnel. One to be used in the containment area and one to be located in the Whiting-Turner trailer.
7. Include both hot water and cold water for decontamination as well as proper disposal of contaminants.

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- 8 This contractor is responsible for all hauling permits as needed as well as chain of custody and routing documentation. Copies shall be made available to Whiting-Turner as well as the Owner.
- 9 This contractor is solely responsible for the abatement enclosure, including restricting access to their own personnel and Whiting Turner personnel and authorized visitors
- 10 Abatement air samples should include samples in the containment area as well as samples outside the containment area
- 11 This contractor is responsible for all necessary measures to maintain the existing to remain Neely Building in safe, uninterrupted and operational function for the occupants See CD-100 for notes on occupancy.
- 12 This contractor is responsible for the complete scope of work of the Nuclear Reactor portion of the building in accordance with the drawings and specifications attached herein.
- 13 This contractor is responsible for all shoring. This contractor is to provide an engineer stamped drawing for all shoring and support scaffolds
- 14 This contractor is responsible for all temporary shoring. This contractor is to provide an engineer stamped drawing for all shoring and support scaffolds.
- 15 This contractor is responsible for all temporary structural support and scaffolding to maintain the structural integrity of the adjacent Neely structure This contractor is to provide an engineer stamped drawing for all shoring and support scaffolds
- 16 This contractor is to assume that all underground electrical conduits are encased in concrete.
- 17 Demolition/cap/Maintain/Protect/abandon all utilities and service connections,
- 18 This contractor is responsible for all scaffolding necessary for the complete demolition of the Neely Reactor Containment Building.
- 19 This contractor is responsible for all excavation, compaction and backfill with clean materials to an elevation of 904' over the slab on grade to remain
- 20 This contractor is responsible for the demolition of the steel storage building and its contents, including the concrete floor pad, foundation, footings any and all underground utilities, and surrounding concrete pavement per A-1 1 Demolition Plans
- 21 Compact soil to a soil bearing capacity of 95%
- 22 Demolition of the 6" drain tile at the exterior of the Neely Reactor Building as shown on Drawing CD-100
- 23 This contractor shall use **QUALIFIED** subs for any and all new construction, particularly Earthwork
- 24 Contractor is responsible for new construction shown on Sheet A-2 1 Plans – New Construction, including but not limited to the following:
 - Waterproofing
 - Joint sealants
 - CMU
 - CIP concrete construction
 - Gravel Access Drive
 - CMU Curbs
 - Storefront
 - Paint
25. This contractor is responsible for all signage, maintenance of signage, and all temporary barricades associated with its scope of work.

II. Electronics Research Building (ERB)

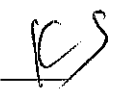
NOTE: Any and all duplications between the Neely Reactor Drawings prepared by Richard and Wittschiede and the Nanotechnology Research Center Drawing prepared by M+W Zander will be the responsibility of the Neely Reactor Building Contractor.

A. Requirements

- 1.) Applicable specification sections:

This work primarily includes but is not limited to the following specification sections as well as related work specified or shown elsewhere in the contract documents:

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- i.) Nanotechnology Research Center Building Project Specifications Dated December 16, 2005
 - ii.) Hazardous Materials Abatements specifications Dated December 15, 2005
 - iii.) Revised Supplemental Asbestos Inspection
 - iv.) Limited Asbestos and Lead Based Paint survey Report
 - v.) Final Geotechnical Engineering Report Nanotechnology Research Center Building Prepared for Georgia Institute of Technology.
- 2) Applicable drawings:
See attached drawing log Dated 1/9/06

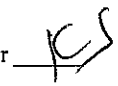
B. Abatement

- 1 This contract includes the complete abatement of any and all hazardous materials including lead, asbestos, mercury, PCB, etc.
- 2 This contractor is to submit a copy of their lead and asbestos program with their bid.
- 3 This contractor is responsible for all hauling permits as required.
- 4 Abatement contractor is responsible for training Whiting-Turner personnel and providing Whiting - Turner personnel with respirators, protective clothing, etc for purposes of entering the work area for observation and supervision. Provide two (2) powered purified air respirators for Whiting-Turner supervision personnel.
- 5 Provide two (2) radios for exclusive use of Whiting-Turner personnel. One to be used in the containment area and one to be located in the Whiting-Turner trailer.
- 6 This contractor is solely responsible for the abatement enclosure, including restricting access to their own personnel and Whiting Turner personnel only.
- 7 See Spec Section 01013 Summary of the Work of the Hazardous Materials Abatement Specifications for details regarding the removal and disposal of hazardous materials including Lead, Asbestos, PCB, and Mercury.
8. This contractor is responsible for all signage, maintenance of signage, and all temporary barricades associated with its scope of work.

C. Demolition and Site Demolition

1. Complete demolition of the ERB including foundations and footings, in accordance with the drawings and specifications attached herein.
- 2 This contractor to include in their cost eight (8) mobilizations as well as a unit price per mobilization.
- 3 Identify all utilities under the new building footprint and demo completely regardless of depth. Backfill with clean materials to 912' and compact to 95%.
4. This contractor is responsible for surveying and creating an accurate as-built of existing foundations after completing the demo to the specified grade. This as-built is to be turned over to the structural engineer for verification of new foundation design.
- 5 Demolition/cap/maintain/protect/abandon of utilities, including but not limited to, the following as shown on CD-100:
 - Storm Lines
 - Drainage structures
 - Fiber Optics
 - Telephone
 - Gas
 - Chiller and water lines
 - Electrical Conduits
 - Cable TV
 - Steam and condensate lines
 - Sanitary sewer lines
 - Chill water lines
- 6 Demolition of all asphalt as indicated on Sheet CD-100.

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- 7 Demolition of existing curb and gutter as indicated on Sheet CD-100
- 8 Demolition of existing chain link fencing, posts, gates and post concrete at the storage area west of the ERB Building as shown on CD-100
- 9 Demolition of the concrete patio north of the ERB as shown on Sheet CD-100.
- 10 Demolition of the 8" brick wall south of the ERB as shown on Drawing CD-100
- 11 Demolition of CMU walls as indicated on Drawing CD-100
- 12 Demolition of sidewalks as indicated on Drawing CD-100.
- 13 Demolition of concrete flumes as indicated on Drawing CD-100
- 14 Demolition of the entrance gate to the ERB parking lot
- 15 Demolition of the concrete island at the entrance gate to the ERB as shown on Drawing CD-100
- 16 Demolition of storm drains as indicated on Drawing CD-100.
- 17 Demolition of the bollards north of the ERB
- 18 Sawcut the asphalt pavement at all construction to be removed including but not limited to sidewalks, driveways, curbs and gutters.
- 19 Protect in place, light poles and traffic signals. Such protection shall be construction of pressure treated lumber and exterior grade plywood to an elevation of 4'0" above grade.
- 20 Protect in place hydrants to remain with four (4) #5 rebar driven to 2'0" below grade and extending 4'0" above grade and placed 3'0" away from the hydrant. Provide weather resistant, brightly colored rope tied to the top of the rebar with caution tape hung 2'0" long at 2'0" OC.
- 21 Protect in place all inlets, electrical equipment, catch basins, and existing Neely Building structure as indicated on Sheet CD-100.
- 22 This contractor is responsible for all hauling permits as required
- 23 This contractor is responsible for all signage, maintenance of signage, and temporary barricades associated with its scope of work.

FENCING AND SHORING

- 1 Remove all trees along Ferst Drive.
- 2 Provide and maintain an 8'0" new chain link fence, with posts embedded in concrete at the existing transformers to remain around the Neely Building 0
- 3 Provide new 8'0" tall chain link fence with posts embedded in concrete at the existing tank farm to remain at the Neely Building.
- 4 Provide and maintain, a new 8'-0" tall chain link fence (with posts embedded in concrete at 10'-0" on center) along the construction limits as shown on LD-111 Provide a linear foot unit price for the fencing with posts embedded in concrete and for posts supported above ground Provide unit price for continuous top rails
- 5 Provide three (3) new 24'-0" wide chain link fence gates at the construction exists shown on CE-100 and CE-102 and/or as directed by Whiting-Turner

EROSION CONTROL

- 1 This contractor is responsible for Phase I and Phase II Erosion & Sedimentation Control including but not limited to the information indicated on Sheets CE-100 and CE-101, and details shown on CE-103, CE-104, and CE-105.
- 2 This contractor is responsible for the maintenance of the erosion control measures including but not limited to the temporary sediment basin, silt fence, sediment traps, and hay bales as shown on Sheets CE-100 and CE-101 and details shown on CE103, CE104, CE105 until all work in this contract is 100% complete.

WASH DOWN AREAS (TOTAL OF 2 WASHDOWN AREAS. PROVIDE THE FOLLOWING AT EACH AREA)

- 1 This contractor is responsible for washdown of any and all vehicles leaving the site. At each construction exit, this contractor shall provide the following:
 - Provide "wash down vaults" at the construction exits with laborers dedicated to operate the pressure washers and wash down any and all vehicles leaving the site until this contract is 100% complete. The vaults shall be made of precast concrete with rebar and a metal grates for vehicles to drive over and designed for heavy truck traffic. The interior dimensions of the vault shall be 4'-0" deep, 15'-0" wide, 20'-0" long
 - Provide, install and remove a temporary water supply at the construction exits as directed by Whiting-Turner.

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- Provide, install and remove a temporary water supply at the construction exits as directed by Whiting-Turner.
- Provide six (6) gasoline powered 3,000 psi cold water pressure washers to be used at the wash down areas. The pressure washers shall remain the property of the project. This contractor is to maintain and secure pressure washers until this contract is 100% complete. The costs of the temporary water used at the construction exit wash down shall be born by Whiting-Turner. The water pressure for the temporary water supply shall be as required by the pressure washer manufacturer.
- Provide maintenance of the truck wash down vault and aggregate drives as required by Whiting-Turner until all work in this contract is 100% complete

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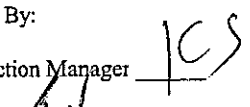
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C. SCHEDULE

1. It is the requirement that this contractor prepare a detailed "Project Schedule" of its work activities from the start of work through final completion. This schedule may be in a bar chart format. This schedule shall be submitted to Whiting-Turner with your bid. This schedule shall be updated by this contractor for each progress meeting.
2. The proposed schedule for this project is outlined below. It is understood that the schedule is of the essence on this project and each subcontractor is responsible for completion of its work in coordination with the work of all other subcontractors within the required sequence and time frame so that the established schedule is met.
3. All shop drawings and submittals must be submitted within 3 days of award to ensure delivery of all materials and equipment to meet the established schedule. The contractor shall allow a minimum of three (3) weeks for review of submittals and shop drawings.
4. The proposed schedule durations include anticipated impacts due to normal weather. It is agreed that weekends shall be used as makeup days, at no additional cost, for time lost during the week due to weather as necessary to maintain the schedule.
5. All work, or applicable portions of the work, shall be sufficiently complete as required for Owner's fit-out, use and occupancy and all required approvals and permits for use and occupancy shall have been issued by the appropriate authorities by the established "Date of Material Completion" of the work, or applicable portion thereof.
6. All punchlist work and project closeout documentation shall be completed and approved by the Owner and Architect by the "Date of Final Completion" which shall be no later than 14 days after the Date of Material Completion. Any uncompleted punchlist items after this date will be completed by Whiting-Turner and backcharged to the appropriate contractor or vendor. Final invoices will not be processed until final completion of the work and certification of same by WT, the Owner and Architect.
7. It is understood that the surrounding campus will be fully operational throughout the performance of this work and all subcontractors must exercise special care and make special provisions to maintain safe access/ egress and to minimize disruption of the campus' operation.
8. Time is of the essence on this project. This contractor is responsible for all efforts, methods, procedures and costs required to meet or better the schedule dates. If, at any time, it is determined by Whiting-Turner or the Owner that this contractor is not on schedule for any reason within the control or responsibility of this contractor, this contractor shall increase its manpower or work such overtime as is required to bring the work back within the Project Schedule. Such additional efforts shall be performed at no additional cost to Whiting-Turner or the Owner. No claims will be accepted for costs incurred due to delays caused by others except to the extent that such delays exceed four (4) months.

Initialed By:

Construction Manager Contractor C-015
12/05/2000

| <u>ITEM OF WORK</u> | <u>START NO LATER THAN</u> | <u>COMPLETE NO LATER THAN</u> |
|--|--------------------------------|-----------------------------------|
| Contract Award Based on 2/24/06 release | February 24, 2006 | February 24, 2006 |
| Start Construction | March 6, 2006 | March 6, 2006 |
| Submittals | March 20, 2006 | March 23, 2006 |
| Abatement of the Neely Building | March 22, 2006 | May 26, 2006 |
| Demolition of the Neely Building | May 9, 2006 | June 2, 2006 |
| New Construction Associated w/Neely Building | June 5, 2006 | June 16, 2006 |
| Abatement of the ERB | March 6, 2006 | March 21, 2006 |
| Demolition of the ERB | March 22, 2006 | April 19, 2006 |
| Site Demolition | April 20, 2006 | May 12, 2006 |
| Erosion Control Construction | | June 23, 2006 |
| | | |
| All work 100% complete | March 6, 2006 | June 23, 2006 |

Initialed By:

Construction Manager

Contractor

C-015
12/05/2000